



# Certificate of Compliance

**Certificate:** 70206445

**Master Contract:** 259668

**Project:** 80151721

**Date Issued:** 2023-04-10

**Issued to:** Risen Energy Co., Ltd.  
Xingke Road Meiqiao Industrial Park  
Ninghai, Ningbo, Zhejiang, 315609  
China  
**Attention:** Suber Yang

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only*



**Issued by:** *Simon Shen*  
Simon Shen

## PRODUCTS

CLASS - C531110 - POWER SUPPLIES-Photovoltaic Modules and Panels

CLASS - C531190 - POWER SUPPLIES-Photovoltaic Modules and Panels - Certified to US Standards

Photovoltaic modules with maximum DC system voltage of 1500 V, Safety Class II.

Model series:

RSM72-6-xxxBMDG (xxx = 350 to 410 W),  
RSM60-6-xxxBMDG (xxx = 290 to 345 W),  
RSM144-6-xxxBMDG (xxx = 360 to 415 W),  
RSM132-6-xxxBMDG (xxx = 330 to 380 W),  
RSM120-6-xxxBMDG (xxx = 300 to 350 W),  
RSM144-7-xxxBMDG (xxx = 425 to 455 W),  
RSM132-7-xxxBMDG (xxx = 390 to 420 W),  
RSM120-7-xxxBMDG (xxx = 355 to 380 W),  
RSM150-8-xxxBMDG (xxx = 465 to 510 W),  
RSM90-8-xxxBMDG (xxx = 285 to 300 W),  
RSM144-9-xxxBMDG (xxx = 520 to 560 W),  
RSM132-9-xxxBMDG (xxx = 480 to 510 W),  
RSM120-9-xxxBMDG (xxx = 435 to 465 W),  
RSM156-6-xxxBHDG (xxx = 435 to 465 W),



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RSM144-6-xxxBHDG (xxx = 400 to 430 W),  
RSM120-6-xxxBHDG (xxx = 330 to 360 W),  
RSM144-6-xxxHDGB (xxx = 400 to 430 W),  
RSM132-6-xxxHDGB (xxx = 365 to 390 W),  
RSM120-6-xxxHDGB (xxx = 330 to 360 W),  
RSM132-8-xxxBMDG (xxx = 635 to 675 W),  
RSM120-8-xxxBMDG (xxx = 560 to 615 W),  
RSM110-8-xxxBMDG (xxx = 525 to 565 W),  
RSM132-8-xxxBNDG (xxx = 665 to 695 W),  
RSM120-8-xxxBNDG (xxx = 605 to 635 W),  
RSM110-8-xxxBNDG (xxx = 550 to 580 W),  
RSM132-8-xxxBHDG (xxx = 650 to 715 W),  
RSM120-8-xxxBHDG (xxx = 590 to 655 W),  
RSM110-8-xxxBHDG (xxx = 540 to 600 W).

| Model                                       | Open Circuit Voltage at STC (V dc) | Short Circuit Current at STC (A dc) | Rated Voltage at STC (V dc) | Rated Current at STC (A dc) | Rated Maximum Power at STC (Watts) | Maximum over-current protection rating (A) |
|---|------------------------------------|-------------------------------------|-----------------------------|-----------------------------|------------------------------------|--|
| <b>RSM72-6-xxxBMDG (xxx = 350 to 410 W)</b> |                                    |                                     |                             |                             |                                    |  |
| RSM72-6-350BMDG                             | 46.60                              | 9.70                                | 38.30                       | 9.15                        | 350                                | 20   |
| RSM72-6-355BMDG                             | 46.95                              | 9.75                                | 38.65                       | 9.20                        | 355                                | 20   |
| RSM72-6-360BMDG                             | 47.30                              | 9.80                                | 38.95                       | 9.25                        | 360                                | 20   |
| RSM72-6-365BMDG                             | 47.70                              | 9.85                                | 39.25                       | 9.30                        | 365                                | 20   |
| RSM72-6-370BMDG                             | 48.15                              | 9.90                                | 39.60                       | 9.35                        | 370                                | 20   |
| RSM72-6-375BMDG                             | 48.60                              | 9.95                                | 39.95                       | 9.40                        | 375                                | 20   |
| RSM72-6-380BMDG                             | 48.95                              | 10.00                               | 40.25                       | 9.45                        | 380                                | 20   |
| RSM72-6-385BMDG                             | 49.35                              | 10.05                               | 40.55                       | 9.50                        | 385                                | 20   |
| RSM72-6-390BMDG                             | 49.70                              | 10.10                               | 40.85                       | 9.55                        | 390                                | 20   |
| RSM72-6-395BMDG                             | 50.10                              | 10.15                               | 41.20                       | 9.60                        | 395                                | 20   |
| RSM72-6-400BMDG                             | 50.45                              | 10.20                               | 41.50                       | 9.65                        | 400                                | 20   |
| RSM72-6-405BMDG                             | 50.85                              | 10.25                               | 41.80                       | 9.70                        | 405                                | 20   |
| RSM72-6-410BMDG                             | 51.20                              | 10.30                               | 42.10                       | 9.75                        | 410                                | 20   |
| <b>RSM60-6-xxxBMDG (xxx = 290 to 345 W)</b> |                                    |                                     |                             |                             |                                    |  |
| RSM60-6-290BMDG                             | 38.60                              | 9.65                                | 31.90                       | 9.10                        | 290                                | 20   |
| RSM60-6-295BMDG                             | 38.80                              | 9.70                                | 32.25                       | 9.15                        | 295                                | 20   |
| RSM60-6-300BMDG                             | 39.10                              | 9.75                                | 32.65                       | 9.20                        | 300                                | 20   |
| RSM60-6-305BMDG                             | 39.40                              | 9.80                                | 33.00                       | 9.25                        | 305                                | 20   |
| RSM60-6-310BMDG                             | 39.80                              | 9.85                                | 33.35                       | 9.30                        | 310                                | 20   |
| RSM60-6-315BMDG                             | 40.10                              | 9.90                                | 33.70                       | 9.35                        | 315                                | 20   |
| RSM60-6-320BMDG                             | 40.50                              | 9.95                                | 34.05                       | 9.40                        | 320                                | 20   |
| RSM60-6-325BMDG                             | 40.80                              | 10.00                               | 34.40                       | 9.45                        | 325                                | 20   |



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| Model                                 | Open Circuit Voltage at STC (V dc) | Short Circuit Current at STC (A dc) | Rated Voltage at STC (V dc) | Rated Current at STC (A dc) | Rated Maximum Power at STC (Watts) | Maximum over-current protection rating (A) |
|---------------------------------------|------------------------------------|-------------------------------------|-----------------------------|-----------------------------|------------------------------------|--|
| RSM60-6-330BMDG                       | 41.10                              | 10.05                               | 34.75                       | 9.50                        | 330                                | 20   |
| RSM60-6-335BMDG                       | 41.40                              | 10.10                               | 35.10                       | 9.55                        | 335                                | 20   |
| RSM60-6-340BMDG                       | 41.95                              | 10.15                               | 35.45                       | 9.60                        | 340                                | 20   |
| RSM60-6-345BMDG                       | 42.35                              | 10.20                               | 35.80                       | 9.65                        | 345                                | 20   |
| RSM144-6-xxxBMDG (xxx = 360 to 415 W) |                                    |                                     |                             |                             |                                    |  |
| RSM144-6-360BMDG                      | 47.30                              | 9.70                                | 39.60                       | 9.10                        | 360                                | 20   |
| RSM144-6-365BMDG                      | 47.45                              | 9.80                                | 39.70                       | 9.20                        | 365                                | 20   |
| RSM144-6-370BMDG                      | 47.60                              | 9.90                                | 39.80                       | 9.30                        | 370                                | 20   |
| RSM144-6-375BMDG                      | 47.75                              | 10.00                               | 39.90                       | 9.40                        | 375                                | 20   |
| RSM144-6-380BMDG                      | 48.00                              | 10.10                               | 40.05                       | 9.50                        | 380                                | 20   |
| RSM144-6-385BMDG                      | 48.15                              | 10.20                               | 40.15                       | 9.60                        | 385                                | 20   |
| RSM144-6-390BMDG                      | 48.30                              | 10.30                               | 40.25                       | 9.70                        | 390                                | 20   |
| RSM144-6-395BMDG                      | 48.45                              | 10.40                               | 40.35                       | 9.80                        | 395                                | 20   |
| RSM144-6-400BMDG                      | 48.60                              | 10.50                               | 40.45                       | 9.90                        | 400                                | 20   |
| RSM144-6-405BMDG                      | 48.75                              | 10.60                               | 40.55                       | 10.00                       | 405                                | 20   |
| RSM144-6-410BMDG                      | 48.90                              | 10.70                               | 40.65                       | 10.10                       | 410                                | 20   |
| RSM144-6-415BMDG                      | 49.00                              | 10.80                               | 40.70                       | 10.20                       | 415                                | 20   |
| RSM132-6-xxxBMDG (xxx = 330 to 380 W) |                                    |                                     |                             |                             |                                    |  |
| RSM132-6-330BMDG                      | 43.40                              | 9.70                                | 36.30                       | 9.10                        | 330                                | 20   |
| RSM132-6-335BMDG                      | 43.50                              | 9.80                                | 36.45                       | 9.20                        | 335                                | 20   |
| RSM132-6-340BMDG                      | 43.60                              | 9.90                                | 36.60                       | 9.30                        | 340                                | 20   |
| RSM132-6-345BMDG                      | 43.70                              | 10.00                               | 36.75                       | 9.40                        | 345                                | 20   |
| RSM132-6-350BMDG                      | 43.80                              | 10.10                               | 36.90                       | 9.50                        | 350                                | 20   |
| RSM132-6-355BMDG                      | 43.90                              | 10.19                               | 37.05                       | 9.60                        | 355                                | 20   |
| RSM132-6-360BMDG                      | 44.00                              | 10.29                               | 37.20                       | 9.69                        | 360                                | 20   |
| RSM132-6-365BMDG                      | 44.10                              | 10.38                               | 37.35                       | 9.79                        | 365                                | 20   |
| RSM132-6-370BMDG                      | 44.20                              | 10.48                               | 37.50                       | 9.88                        | 370                                | 20   |
| RSM132-6-375BMDG                      | 44.30                              | 10.58                               | 37.65                       | 9.97                        | 375                                | 20   |
| RSM132-6-380BMDG                      | 44.40                              | 10.68                               | 37.80                       | 10.07                       | 380                                | 20   |
| RSM120-6-xxxBMDG (xxx = 300 to 350 W) |                                    |                                     |                             |                             |                                    |  |
| RSM120-6-300BMDG                      | 39.40                              | 9.70                                | 33.00                       | 9.10                        | 300                                | 20   |
| RSM120-6-305BMDG                      | 39.50                              | 9.80                                | 33.20                       | 9.20                        | 305                                | 20   |
| RSM120-6-310BMDG                      | 39.70                              | 9.90                                | 33.35                       | 9.30                        | 310                                | 20   |
| RSM120-6-315BMDG                      | 39.80                              | 10.00                               | 33.55                       | 9.40                        | 315                                | 20   |
| RSM120-6-320BMDG                      | 40.00                              | 10.10                               | 33.70                       | 9.50                        | 320                                | 20   |
| RSM120-6-325BMDG                      | 40.10                              | 10.20                               | 33.90                       | 9.60                        | 325                                | 20   |
| RSM120-6-330BMDG                      | 40.30                              | 10.30                               | 34.05                       | 9.70                        | 330                                | 20   |
| RSM120-6-335BMDG                      | 40.40                              | 10.40                               | 34.20                       | 9.80                        | 335                                | 20   |



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|---------------------------------------|------------------------------------|-------------------------------------|-----------------------------|-----------------------------|------------------------------------|--|
| RSM120-6-340BMDG                      | 40.50                              | 10.50                               | 34.40                       | 9.90                        | 340                                | 20   |
| RSM120-6-345BMDG                      | 40.60                              | 10.60                               | 34.55                       | 10.00                       | 345                                | 20   |
| RSM120-6-350BMDG                      | 40.70                              | 10.70                               | 34.70                       | 10.10                       | 350                                | 20   |
| RSM144-7-xxxBMDG (xxx = 425 to 455 W) |                                    |                                     |                             |                             |                                    |  |
| RSM144-7-425BMDG                      | 49.20                              | 11.00                               | 40.90                       | 10.40                       | 425                                | 25   |
| RSM144-7-430BMDG                      | 49.30                              | 11.10                               | 40.96                       | 10.50                       | 430                                | 25   |
| RSM144-7-435BMDG                      | 49.40                              | 11.20                               | 41.05                       | 10.60                       | 435                                | 25   |
| RSM144-7-440BMDG                      | 49.50                              | 11.30                               | 41.13                       | 10.70                       | 440                                | 25   |
| RSM144-7-445BMDG                      | 49.60                              | 11.40                               | 41.25                       | 10.80                       | 445                                | 25   |
| RSM144-7-450BMDG                      | 49.70                              | 11.50                               | 41.30                       | 10.90                       | 450                                | 25   |
| RSM144-7-455BMDG                      | 49.80                              | 11.60                               | 41.40                       | 11.00                       | 455                                | 25   |
| RSM132-7-xxxBMDG (xxx = 390 to 420 W) |                                    |                                     |                             |                             |                                    |  |
| RSM132-7-390BMDG                      | 45.10                              | 10.90                               | 37.43                       | 10.50                       | 390                                | 25   |
| RSM132-7-395BMDG                      | 45.20                              | 11.00                               | 37.52                       | 10.60                       | 395                                | 25   |
| RSM132-7-400BMDG                      | 45.30                              | 11.10                               | 37.60                       | 10.70                       | 400                                | 25   |
| RSM132-7-405BMDG                      | 45.40                              | 11.20                               | 37.68                       | 10.80                       | 405                                | 25   |
| RSM132-7-410BMDG                      | 45.50                              | 11.30                               | 37.77                       | 10.90                       | 410                                | 25   |
| RSM132-7-415BMDG                      | 45.60                              | 11.40                               | 37.85                       | 11.00                       | 415                                | 25   |
| RSM132-7-420BMDG                      | 45.70                              | 11.50                               | 37.93                       | 11.10                       | 420                                | 25   |
| RSM120-7-xxxBMDG (xxx = 355 to 380 W) |                                    |                                     |                             |                             |                                    |  |
| RSM120-7-355BMDG                      | 40.60                              | 11.30                               | 33.20                       | 10.70                       | 355                                | 25   |
| RSM120-7-360BMDG                      | 40.70                              | 11.42                               | 33.35                       | 10.80                       | 360                                | 25   |
| RSM120-7-365BMDG                      | 40.80                              | 11.54                               | 33.50                       | 10.90                       | 365                                | 25   |
| RSM120-7-370BMDG                      | 40.90                              | 11.66                               | 33.65                       | 11.00                       | 370                                | 25   |
| RSM120-7-375BMDG                      | 41.00                              | 11.78                               | 33.80                       | 11.10                       | 375                                | 25   |
| RSM120-7-380BMDG                      | 41.10                              | 11.90                               | 33.95                       | 11.20                       | 380                                | 25   |
| RSM150-8-xxxBMDG (xxx = 465 to 510 W) |                                    |                                     |                             |                             |                                    |  |
| RSM150-8-465BMDG                      | 49.47                              | 11.97                               | 41.34                       | 11.26                       | 465                                | 25   |
| RSM150-8-470BMDG                      | 49.69                              | 12.04                               | 41.56                       | 11.32                       | 470                                | 25   |
| RSM150-8-475BMDG                      | 49.91                              | 12.11                               | 41.78                       | 11.38                       | 475                                | 25   |
| RSM150-8-480BMDG                      | 50.13                              | 12.18                               | 42.00                       | 11.44                       | 480                                | 25   |
| RSM150-8-485BMDG                      | 50.35                              | 12.25                               | 42.22                       | 11.50                       | 485                                | 25   |
| RSM150-8-490BMDG                      | 50.57                              | 12.32                               | 42.44                       | 11.56                       | 490                                | 25   |
| RSM150-8-495BMDG                      | 50.79                              | 12.39                               | 42.66                       | 11.62                       | 495                                | 25   |
| RSM150-8-500BMDG                      | 51.01                              | 12.46                               | 42.88                       | 11.68                       | 500                                | 25   |
| RSM150-8-505BMDG                      | 51.23                              | 12.53                               | 43.10                       | 11.74                       | 505                                | 25   |
| RSM150-8-510BMDG                      | 51.45                              | 12.60                               | 43.32                       | 11.80                       | 510                                | 25   |
| RSM90-8-xxxBMDG (xxx = 285 to 300 W)  |                                    |                                     |                             |                             |                                    |  |



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|---------------------------------------|------------------------------------|-------------------------------------|-----------------------------|-----------------------------|------------------------------------|--|
| RSM90-8-285BMDG                       | 29.94                              | 12.11                               | 25.07                       | 11.38                       | 285                                | 25   |
| RSM90-8-290BMDG                       | 30.21                              | 12.25                               | 25.33                       | 11.47                       | 290                                | 25   |
| RSM90-8-295BMDG                       | 30.46                              | 12.32                               | 25.57                       | 11.56                       | 285                                | 25   |
| RSM90-8-300BMDG                       | 30.68                              | 12.39                               | 25.81                       | 11.65                       | 290                                | 25   |
| RSM144-9-xxxBMDG (xxx = 520 to 560 W) |                                    |                                     |                             |                             |                                    |  |
| RSM144-9-520BMDG                      | 49.20                              | 13.35                               | 41.55                       | 12.52                       | 520                                | 25   |
| RSM144-9-525BMDG                      | 49.30                              | 13.45                               | 41.65                       | 12.61                       | 525                                | 25   |
| RSM144-9-530BMDG                      | 49.40                              | 13.55                               | 41.75                       | 12.70                       | 530                                | 25   |
| RSM144-9-535BMDG                      | 49.50                              | 13.64                               | 41.87                       | 12.79                       | 535                                | 25   |
| RSM144-9-540BMDG                      | 49.60                              | 13.73                               | 41.99                       | 12.88                       | 540                                | 25   |
| RSM144-9-545BMDG                      | 49.70                              | 13.84                               | 42.11                       | 12.96                       | 545                                | 25   |
| RSM144-9-550BMDG                      | 49.80                              | 13.94                               | 42.20                       | 13.04                       | 550                                | 25   |
| RSM144-9-555BMDG                      | 49.91                              | 14.04                               | 42.20                       | 13.04                       | 555                                | 25   |
| RSM144-9-560BMDG                      | 50.01                              | 14.14                               | 42.38                       | 13.22                       | 560                                | 25   |
| RSM132-9-xxxBMDG (xxx = 480 to 510 W) |                                    |                                     |                             |                             |                                    |  |
| RSM132-9-480BMDG                      | 45.30                              | 13.49                               | 38.10                       | 12.60                       | 480                                | 25   |
| RSM132-9-485BMDG                      | 45.40                              | 13.59                               | 38.20                       | 12.70                       | 485                                | 25   |
| RSM132-9-490BMDG                      | 45.50                              | 13.69                               | 38.30                       | 12.80                       | 490                                | 25   |
| RSM132-9-495BMDG                      | 45.60                              | 13.79                               | 38.40                       | 12.90                       | 495                                | 25   |
| RSM132-9-500BMDG                      | 45.70                              | 13.89                               | 38.51                       | 12.99                       | 500                                | 25   |
| RSM132-9-505BMDG                      | 45.80                              | 13.99                               | 38.62                       | 13.08                       | 505                                | 25   |
| RSM132-9-510BMDG                      | 45.9                               | 14.09                               | 38.73                       | 13.17                       | 510                                | 25   |
| RSM120-9-xxxBMDG (xxx = 435 to 465 W) |                                    |                                     |                             |                             |                                    |  |
| RSM120-9-435BMDG                      | 40.30                              | 13.47                               | 34.68                       | 12.55                       | 435                                | 25   |
| RSM120-9-440BMDG                      | 40.40                              | 13.57                               | 34.79                       | 12.65                       | 440                                | 25   |
| RSM120-9-445BMDG                      | 40.50                              | 13.68                               | 34.91                       | 12.75                       | 445                                | 25   |
| RSM120-9-450BMDG                      | 40.60                              | 13.78                               | 35.05                       | 12.85                       | 450                                | 25   |
| RSM120-9-455BMDG                      | 40.70                              | 13.88                               | 35.15                       | 12.95                       | 455                                | 25   |
| RSM120-9-460BMDG                      | 40.80                              | 13.98                               | 35.25                       | 13.05                       | 460                                | 25   |
| RSM120-9-465BMDG                      | 40.91                              | 14.04                               | 35.35                       | 13.12                       | 465                                | 25   |
| RSM156-6-xxxBHDG (xxx = 435 to 465 W) |                                    |                                     |                             |                             |                                    |  |
| RSM156-6-435BHDG                      | 58.40                              | 9.55                                | 48.53                       | 8.97                        | 435                                | 20   |
| RSM156-6-440BHDG                      | 58.70                              | 9.60                                | 48.83                       | 9.02                        | 440                                | 20   |
| RSM156-6-445BHDG                      | 59.00                              | 9.65                                | 49.13                       | 9.07                        | 445                                | 20   |
| RSM156-6-450BHDG                      | 59.30                              | 9.70                                | 49.43                       | 9.12                        | 450                                | 20   |
| RSM156-6-455BHDG                      | 59.60                              | 9.75                                | 49.73                       | 9.16                        | 455                                | 20   |
| RSM156-6-460BHDG                      | 59.90                              | 9.80                                | 50.03                       | 9.20                        | 460                                | 20   |
| RSM156-6-465BHDG                      | 60.20                              | 9.85                                | 50.33                       | 9.25                        | 465                                | 20   |



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|--|------------------------------------|-------------------------------------|-----------------------------|-----------------------------|------------------------------------|--|
| <b>RSM144-6-xxxBHDG (xxx = 400 to 430 W)</b> |                                    |                                     |                             |                             |                                    |  |
| RSM144-6-400BHDG                             | 53.05                              | 9.73                                | 44.25                       | 9.05                        | 400                                | 20   |
| RSM144-6-405BHDG                             | 53.20                              | 9.77                                | 44.55                       | 9.10                        | 405                                | 20   |
| RSM144-6-410BHDG                             | 53.35                              | 9.81                                | 44.85                       | 9.15                        | 410                                | 20   |
| RSM144-6-415BHDG                             | 53.45                              | 9.85                                | 45.15                       | 9.20                        | 415                                | 20   |
| RSM144-6-420BHDG                             | 53.60                              | 9.89                                | 45.45                       | 9.25                        | 420                                | 20   |
| RSM144-6-425BHDG                             | 53.75                              | 9.93                                | 45.80                       | 9.29                        | 425                                | 20   |
| RSM144-6-430BHDG                             | 53.85                              | 9.97                                | 46.10                       | 9.33                        | 430                                | 20   |
| <b>RSM120-6-xxxBHDG (xxx = 330 to 360 W)</b> |                                    |                                     |                             |                             |                                    |  |
| RSM120-6-330BHDG                             | 44.10                              | 9.70                                | 36.60                       | 9.03                        | 330                                | 20   |
| RSM120-6-335BHDG                             | 44.30                              | 9.75                                | 36.90                       | 9.09                        | 335                                | 20   |
| RSM120-6-340BHDG                             | 44.45                              | 9.79                                | 37.25                       | 9.14                        | 340                                | 20   |
| RSM120-6-345BHDG                             | 44.55                              | 9.84                                | 37.55                       | 9.20                        | 345                                | 20   |
| RSM120-6-350BHDG                             | 44.65                              | 9.89                                | 37.85                       | 9.26                        | 350                                | 20   |
| RSM120-6-355BHDG                             | 44.80                              | 9.94                                | 38.15                       | 9.31                        | 355                                | 20   |
| RSM120-6-360BHDG                             | 44.90                              | 9.98                                | 38.45                       | 9.37                        | 360                                | 20   |
| <b>RSM144-6-xxxHDGB (xxx = 400 to 430 W)</b> |                                    |                                     |                             |                             |                                    |  |
| RSM144-6-400HDGB                             | 53.05                              | 9.73                                | 44.25                       | 9.05                        | 400                                | 20   |
| RSM144-6-405HDGB                             | 53.20                              | 9.77                                | 44.55                       | 9.10                        | 405                                | 20   |
| RSM144-6-410HDGB                             | 53.35                              | 9.81                                | 44.85                       | 9.15                        | 410                                | 20   |
| RSM144-6-415HDGB                             | 53.45                              | 9.85                                | 45.15                       | 9.20                        | 415                                | 20   |
| RSM144-6-420HDGB                             | 53.60                              | 9.89                                | 45.45                       | 9.25                        | 420                                | 20   |
| RSM144-6-425HDGB                             | 53.75                              | 9.93                                | 45.80                       | 9.29                        | 425                                | 20   |
| RSM144-6-430HDGB                             | 53.85                              | 9.97                                | 46.10                       | 9.33                        | 430                                | 20   |
| <b>RSM132-6-xxxHDGB (xxx = 365 to 390 W)</b> |                                    |                                     |                             |                             |                                    |  |
| RSM132-6-365HDGB                             | 48.70                              | 9.47                                | 41.05                       | 8.90                        | 365                                | 20   |
| RSM132-6-370HDGB                             | 48.85                              | 9.52                                | 41.35                       | 8.96                        | 370                                | 20   |
| RSM132-6-375HDGB                             | 49.10                              | 9.57                                | 41.70                       | 9.00                        | 375                                | 20   |
| RSM132-6-380HDGB                             | 49.25                              | 9.61                                | 42.00                       | 9.05                        | 380                                | 20   |
| RSM132-6-385HDGB                             | 49.35                              | 9.65                                | 42.30                       | 9.11                        | 385                                | 20   |
| RSM132-6-390HDGB                             | 49.45                              | 9.70                                | 42.60                       | 9.16                        | 390                                | 20   |
| <b>RSM120-6-xxxHDGB (xxx = 330 to 360 W)</b> |                                    |                                     |                             |                             |                                    |  |
| RSM120-6-330HDGB                             | 44.10                              | 9.70                                | 36.60                       | 9.03                        | 330                                | 20   |
| RSM120-6-335HDGB                             | 44.30                              | 9.75                                | 36.90                       | 9.09                        | 335                                | 20   |
| RSM120-6-340HDGB                             | 44.45                              | 9.79                                | 37.25                       | 9.14                        | 340                                | 20   |
| RSM120-6-345HDGB                             | 44.55                              | 9.84                                | 37.55                       | 9.20                        | 345                                | 20   |
| RSM120-6-350HDGB                             | 44.65                              | 9.89                                | 37.85                       | 9.26                        | 350                                | 20   |
| RSM120-6-355HDGB                             | 44.80                              | 9.94                                | 38.15                       | 9.31                        | 355                                | 20   |





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|---------------------------------------|------------------------------------|-------------------------------------|-----------------------------|-----------------------------|------------------------------------|--|
| RSM120-6-360HDGB                      | 44.90                              | 9.98                                | 38.45                       | 9.37                        | 360                                | 20   |
| RSM120-8-xxxBMDG (xxx = 560 to 615 W) |                                    |                                     |                             |                             |                                    |  |
| RSM120-8-560BMDG                      | 39.98                              | 17.84                               | 33.25                       | 16.85                       | 560                                | 35   |
| RSM120-8-565BMDG                      | 40.22                              | 17.90                               | 33.45                       | 16.90                       | 565                                | 35   |
| RSM120-8-570BMDG                      | 40.44                              | 17.95                               | 33.64                       | 16.95                       | 570                                | 35   |
| RSM120-8-575BMDG                      | 40.68                              | 18.00                               | 33.84                       | 17.00                       | 575                                | 35   |
| RSM120-8-580BMDG                      | 40.90                              | 18.06                               | 34.04                       | 17.05                       | 580                                | 35   |
| RSM120-8-585BMDG                      | 41.10                              | 18.11                               | 34.22                       | 17.10                       | 585                                | 35   |
| RSM120-8-590BMDG                      | 41.30                              | 18.16                               | 34.42                       | 17.15                       | 590                                | 35   |
| RSM120-8-595BMDG                      | 41.50                              | 18.21                               | 34.60                       | 17.20                       | 595                                | 35   |
| RSM120-8-600BMDG                      | 41.70                              | 18.26                               | 34.80                       | 17.25                       | 600                                | 35   |
| RSM120-8-605BMDG                      | 41.90                              | 18.32                               | 34.98                       | 17.30                       | 605                                | 35   |
| RSM120-8-610BMDG                      | 42.20                              | 18.37                               | 35.18                       | 17.35                       | 610                                | 35   |
| RSM120-8-615BMDG                      | 42.4                               | 18.42                               | 35.36                       | 17.4                        | 615                                | 35   |
| RSM110-8-xxxBMDG (xxx = 525 to 565 W) |                                    |                                     |                             |                             |                                    |  |
| RSM110-8-525BMDG                      | 37.22                              | 17.97                               | 30.96                       | 16.97                       | 525                                | 35   |
| RSM110-8-530BMDG                      | 37.44                              | 18.02                               | 31.16                       | 17.02                       | 530                                | 35   |
| RSM110-8-535BMDG                      | 37.66                              | 18.07                               | 31.36                       | 17.07                       | 535                                | 35   |
| RSM110-8-540BMDG                      | 37.88                              | 18.13                               | 31.56                       | 17.12                       | 540                                | 35   |
| RSM110-8-545BMDG                      | 38.10                              | 18.18                               | 31.76                       | 17.17                       | 545                                | 35   |
| RSM110-8-550BMDG                      | 38.32                              | 18.23                               | 31.96                       | 17.22                       | 550                                | 35   |
| RSM110-8-555BMDG                      | 38.54                              | 18.28                               | 32.16                       | 17.27                       | 555                                | 35   |
| RSM110-8-560BMDG                      | 38.76                              | 18.33                               | 32.35                       | 17.32                       | 560                                | 35   |
| RSM110-8-565BMDG                      | 38.98                              | 18.38                               | 32.55                       | 17.37                       | 565                                | 35   |
| RSM132-8-xxxBMDG (xxx = 635 to 675 W) |                                    |                                     |                             |                             |                                    |  |
| RSM132-8-635BMDG                      | 44.89                              | 18.03                               | 37.33                       | 17.02                       | 635                                | 35   |
| RSM132-8-640BMDG                      | 45.09                              | 18.08                               | 37.51                       | 17.07                       | 640                                | 35   |
| RSM132-8-645BMDG                      | 45.29                              | 18.13                               | 37.69                       | 17.12                       | 645                                | 35   |
| RSM132-8-650BMDG                      | 45.49                              | 18.18                               | 37.87                       | 17.17                       | 650                                | 35   |
| RSM132-8-655BMDG                      | 45.69                              | 18.23                               | 38.05                       | 17.22                       | 655                                | 35   |
| RSM132-8-660BMDG                      | 45.89                              | 18.28                               | 38.23                       | 17.27                       | 660                                | 35   |
| RSM132-8-665BMDG                      | 46.09                              | 18.33                               | 38.41                       | 17.32                       | 665                                | 35   |
| RSM132-8-670BMDG                      | 46.29                              | 18.38                               | 38.59                       | 17.37                       | 670                                | 35   |
| RSM132-8-675BMDG                      | 46.49                              | 18.43                               | 38.77                       | 17.42                       | 675                                | 35   |
| RSM132-8-xxxBNDG (xxx = 665 to 695 W) |                                    |                                     |                             |                             |                                    |  |
| RSM132-8-665BNDG                      | 46.71                              | 18.18                               | 38.82                       | 17.16                       | 665                                | 35   |
| RSM132-8-670BNDG                      | 46.84                              | 18.25                               | 38.92                       | 17.24                       | 670                                | 35   |
| RSM132-8-675BNDG                      | 46.97                              | 18.33                               | 39.03                       | 17.32                       | 675                                | 35   |



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|---------------------------------------|------------------------------------|-------------------------------------|-----------------------------|-----------------------------|------------------------------------|--|
| RSM132-8-680BNDG                      | 47.10                              | 18.40                               | 39.16                       | 17.39                       | 680                                | 35   |
| RSM132-8-685BNDG                      | 47.23                              | 18.47                               | 39.27                       | 17.46                       | 685                                | 35   |
| RSM132-8-690BNDG                      | 47.36                              | 18.54                               | 39.38                       | 17.55                       | 690                                | 35   |
| RSM132-8-695BNDG                      | 47.49                              | 18.61                               | 39.46                       | 17.62                       | 695                                | 35   |
| RSM120-8-xxxBNDG (xxx = 605 to 635 W) |                                    |                                     |                             |                             |                                    |  |
| RSM120-8-605BNDG                      | 42.45                              | 18.2                                | 35.29                       | 17.17                       | 605                                | 35   |
| RSM120-8-610BNDG                      | 42.61                              | 18.27                               | 35.40                       | 17.26                       | 610                                | 35   |
| RSM120-8-615BNDG                      | 42.76                              | 18.35                               | 35.51                       | 17.34                       | 615                                | 35   |
| RSM120-8-620BNDG                      | 42.91                              | 18.42                               | 35.63                       | 17.43                       | 620                                | 35   |
| RSM120-8-625BNDG                      | 43.07                              | 18.49                               | 35.74                       | 17.51                       | 625                                | 35   |
| RSM120-8-630BNDG                      | 43.18                              | 18.56                               | 35.85                       | 17.6                        | 630                                | 35   |
| RSM120-8-635BNDG                      | 43.29                              | 18.63                               | 35.96                       | 17.68                       | 635                                | 35   |
| RSM110-8-xxxBNDG (xxx = 550 to 580 W) |                                    |                                     |                             |                             |                                    |  |
| RSM110-8-550BNDG                      | 38.78                              | 18.14                               | 32.22                       | 17.09                       | 550                                | 35   |
| RSM110-8-555BNDG                      | 38.92                              | 18.21                               | 32.35                       | 17.18                       | 555                                | 35   |
| RSM110-8-560BNDG                      | 39.06                              | 18.28                               | 32.47                       | 17.27                       | 560                                | 35   |
| RSM110-8-565BNDG                      | 39.23                              | 18.36                               | 32.59                       | 17.35                       | 565                                | 35   |
| RSM110-8-570BNDG                      | 39.40                              | 18.43                               | 32.74                       | 17.44                       | 570                                | 35   |
| RSM110-8-575BNDG                      | 39.56                              | 18.50                               | 32.86                       | 17.52                       | 575                                | 35   |
| RSM110-8-580BNDG                      | 39.72                              | 18.57                               | 32.98                       | 17.60                       | 580                                | 35   |
| RSM132-8-xxxBHDG (xxx = 650 to 715 W) |                                    |                                     |                             |                             |                                    |  |
| RSM132-8-650BHDG                      | 48.93                              | 16.97                               | 41.03                       | 15.86                       | 650                                | 35   |
| RSM132-8-655BHDG                      | 49.02                              | 17.06                               | 41.10                       | 15.96                       | 655                                | 35   |
| RSM132-8-660BHDG                      | 49.11                              | 17.14                               | 41.18                       | 16.05                       | 660                                | 35   |
| RSM132-8-665BHDG                      | 49.20                              | 17.22                               | 41.25                       | 16.14                       | 665                                | 35   |
| RSM132-8-670BHDG                      | 49.29                              | 17.31                               | 41.33                       | 16.23                       | 670                                | 35   |
| RSM132-8-675BHDG                      | 49.38                              | 17.4                                | 41.41                       | 16.32                       | 675                                | 35   |
| RSM132-8-680BHDG                      | 49.47                              | 17.48                               | 41.48                       | 16.41                       | 680                                | 35   |
| RSM132-8-685BHDG                      | 49.56                              | 17.56                               | 41.56                       | 16.50                       | 685                                | 35   |
| RSM132-8-690BHDG                      | 49.65                              | 17.66                               | 41.63                       | 16.60                       | 690                                | 35   |
| RSM132-8-695BHDG                      | 49.74                              | 17.74                               | 41.71                       | 16.68                       | 695                                | 35   |
| RSM132-8-700BHDG                      | 49.83                              | 17.82                               | 41.78                       | 16.77                       | 700                                | 35   |
| RSM132-8-705BHDG                      | 49.92                              | 17.91                               | 41.86                       | 16.86                       | 705                                | 35   |
| RSM132-8-710BHDG                      | 50.01                              | 18.00                               | 41.93                       | 16.95                       | 710                                | 35   |
| RSM132-8-715BHDG                      | 50.09                              | 18.08                               | 42.01                       | 17.03                       | 715                                | 35   |
| RSM120-8-xxxBHDG (xxx = 590 to 655 W) |                                    |                                     |                             |                             |                                    |  |
| RSM120-8-590BHDG                      | 44.45                              | 16.95                               | 37.27                       | 15.85                       | 590                                | 35   |
| RSM120-8-595BHDG                      | 44.54                              | 17.04                               | 37.35                       | 15.95                       | 595                                | 35   |





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|---------------------------------------|------------------------------------|-------------------------------------|-----------------------------|-----------------------------|------------------------------------|--|
| RSM120-8-600BHDG                      | 44.63                              | 17.14                               | 37.42                       | 16.06                       | 600                                | 35   |
| RSM120-8-605BHDG                      | 44.72                              | 17.24                               | 37.50                       | 16.15                       | 605                                | 35   |
| RSM120-8-610BHDG                      | 44.82                              | 17.33                               | 37.58                       | 16.25                       | 610                                | 35   |
| RSM120-8-615BHDG                      | 44.91                              | 17.43                               | 37.66                       | 16.35                       | 615                                | 35   |
| RSM120-8-620BHDG                      | 45.00                              | 17.53                               | 37.73                       | 16.46                       | 620                                | 35   |
| RSM120-8-625BHDG                      | 45.09                              | 17.62                               | 37.81                       | 16.55                       | 625                                | 35   |
| RSM120-8-630BHDG                      | 45.18                              | 17.71                               | 37.88                       | 16.65                       | 630                                | 35   |
| RSM120-8-635BHDG                      | 45.27                              | 17.8                                | 37.96                       | 16.75                       | 635                                | 35   |
| RSM120-8-640BHDG                      | 45.36                              | 17.90                               | 38.03                       | 16.85                       | 640                                | 35   |
| RSM120-8-645BHDG                      | 45.45                              | 17.99                               | 38.11                       | 16.94                       | 645                                | 35   |
| RSM120-8-650BHDG                      | 45.54                              | 18.08                               | 38.19                       | 17.04                       | 650                                | 35   |
| RSM120-8-655BHDG                      | 45.63                              | 18.17                               | 38.26                       | 17.14                       | 655                                | 35   |
| RSM110-8-xxxBHDG (xxx = 540 to 600 W) |                                    |                                     |                             |                             |                                    |  |
| RSM110-8-540BHDG                      | 40.73                              | 16.93                               | 34.15                       | 15.83                       | 540                                | 35   |
| RSM110-8-545BHDG                      | 40.82                              | 17.04                               | 34.23                       | 15.95                       | 545                                | 35   |
| RSM110-8-550BHDG                      | 40.91                              | 17.15                               | 34.30                       | 16.06                       | 550                                | 35   |
| RSM110-8-555BHDG                      | 41.00                              | 17.25                               | 34.38                       | 16.17                       | 555                                | 35   |
| RSM110-8-560BHDG                      | 41.09                              | 17.36                               | 34.45                       | 16.28                       | 560                                | 35   |
| RSM110-8-565BHDG                      | 41.18                              | 17.47                               | 34.53                       | 16.39                       | 565                                | 35   |
| RSM110-8-570BHDG                      | 41.27                              | 17.57                               | 34.60                       | 16.49                       | 570                                | 35   |
| RSM110-8-575BHDG                      | 41.36                              | 17.67                               | 34.68                       | 16.60                       | 575                                | 35   |
| RSM110-8-580BHDG                      | 41.46                              | 17.77                               | 34.76                       | 16.71                       | 580                                | 35   |
| RSM110-8-585BHDG                      | 41.55                              | 17.88                               | 34.84                       | 16.81                       | 585                                | 35   |
| RSM110-8-590BHDG                      | 41.64                              | 17.98                               | 34.92                       | 16.92                       | 590                                | 35   |
| RSM110-8-595BHDG                      | 41.73                              | 18.08                               | 34.99                       | 17.03                       | 595                                | 35   |
| RSM110-8-600BHDG                      | 41.82                              | 18.18                               | 35.07                       | 17.13                       | 600                                | 35   |

**Note:**

1. All electrical data are shown as relative to standard test conditions (STC) (1000 W/m<sup>2</sup>, (25 ± 2) °C, AM 1.5 according to IEC 60904-3).
2. The manufacturer declared tolerance of Open-circuit voltage, Short-circuit current, Maximum power is ±3%, ±4%, ±3% respectively.
3. The maximum over-current protection rating is 20A or 25A or 35A.
4. The electrical power performance shown in the table above is only generated by front side of the module, more power may be generated if considering back side of the module.
5. The operating ambient temperature of these devices may exceed 40 °C at full load for all wire sizes if it is determined suitable in the field use application.



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**APPLICABLE REQUIREMENTS**

|                          |   |
|--------------------------|---|
| CSA-C22.2 No. 61730-1:19 | Photovoltaic (PV) module safety qualification - Part 1: Requirements for construction, 2019-12                              |
| CSA-C22.2 No. 61730-2:19 | Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing, 2019-12                                   |
| UL 61730-1 First Edition | Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction, 2017-12-04, revision date 2020-04-30 |
| UL 61730-2 First Edition | Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing, 2017-12-04, revision date 2020-04-30      |

**Notes:**

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Products certified under Class C531110 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). [www.scc.ca](http://www.scc.ca)





## Supplement to Certificate of Compliance

Certificate: 70206445

Master Contract: 259668

*The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.*

### Product Certification History

| Project  | Date       | Description  |
|----------|------------|--|
| 80151721 | 2023-04-10 | Update report 70206445 to expend power rating for BHDG model series HJT PV modules and add related components, 95um HJT solar cell RSYCS210B (BBL)(24BB) from Risen, new Sn32Pb42Bi26 interconnect ribbon, new specification for end ribbon, new TT106/TT106 type PVB/PVB from Zhejiang Decent New Material Co., Ltd., new UV curable adhesive 1001 type from Shanghai Delangju New Material Co., Ltd., the power ratings of BMDG model series PV modules were expended based on the test data of the previous projects. |
| 80136990 | 2022-11-23 | Update report 70206445 to add RSM132-8-xxxBHDG, RSM120-8-xxxBHDG, RSM110-8-xxxBHDG HJT PV module series and related components, HJT solar cell RSYCS210B (BBL)(24BB) from Risen, $\Phi$ 0.18 interconnect ribbon, new EPE ISARD 3280 and wire carrier film Actinia 1046 from Crown Advanced Materials Co., Ltd., new UV curable adhesive 4336 from Yantai Darbond Technology Co., Ltd.   |
| 80136988 | 2022-09-26 | Update report 70206445 to add new high strength alloy steel frame.   |
| 80136989 | 2022-08-16 | Update report 70206445 to add new RSM132-8-xxxBNDG, RSM120-8-xxxBNDG, RSM110-8-xxxBNDG PV module series with N type solar cell RSTCS210S and $\Phi$ 0.25 interconnect ribbon, add new encapsulation material combination of POE/EVA(PO8110/ EVA9110T), add new 6005 T6 aluminum alloy frame.   |
| 80101846 | 2022-05-31 | Update report 70206445 to add new label Seaprinting-TC-04 from Seaprinting Changzhou CO., LTD., new junction box potting 1533 from Tonsan Adhesive Inc., add new specifications for end ribbon and frame, Initial Factory Evaluation for RISEN SOLAR TECHNOLOGY SDN. BHD manufacturer.   |
| 80111916 | 2022-05-19 | Update report 70206445 to add T1S-00000HE0B type 166mm*83mm new solar cell from Tainergy Tech Co., Ltd.  |
| 80101853 | 2022-05-05 | Update report 70206445 to add RSTDB210S type 210mm*105mm new solar cell from RISEN SOLAR TECHNOLOGY SDN.BHD., add $\Phi$ 0.30 interconnect ribbon, add SA-104 type new label from SUNRISE PAPER (M) SDN. BHD., add alternative potting and adhesive for PV-SY030 type junction box, add alternative glass manufacturer, add alternative interconnect ribbon and end ribbon manufacturer, HF10 testing for RISEN SOLAR TECHNOLOGY SDN. BHD manufacturer.  |



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|          |            |   |
|----------|------------|---|
| 80108347 | 2022-02-15 | Update report 70206445 to add new POE PO8110 from Zhejiang Sinopont Technology Co., Ltd.  |
| 80108346 | 2022-01-27 | Update report 70206445 to add new EVA EVA9110T/EPE PO8110e from Zhejiang Sinopont Technology Co., Ltd.  |
| 80092717 | 2021-08-19 | Update report 70206445 to add new RSM132-8-xxxBMDG model series PV module.  |
| 80092716 | 2021-08-17 | Update report 70206445 to: (1) Add new model series RSM120-8-xxxBMDG (xxx = 560 to 610 W), RSM110-8-xxxBMDG (xxx = 525 to 560 W); (2) Add new 12BB bifacial 210mm*105mm cell RSTDB210S, manufactured by Risen Energy Co., Ltd.; (3) Add new junction box, type PV-SY030.  |
| 80089941 | 2021-08-04 | Update report 70206445 to add new RSM144-6-xxxHDGB, RSM132-6-xxxHDGB, RSM120-6-xxxHDGB model series, new 1.6mm semi-tempered solar glass superstrate and substrate solar glass, new flux WTO-PV201 from Shenzhen Vital Material Company Limited., new POE SE557 from Changzhou Sveck Photovoltaic New Material Co., Ltd., new HT906Z black adhesive for junction box and frame, new 5299W-S black potting for junction box.   |
| 80059896 | 2021-04-12 | Update report 70206445 to add new 9BB bifacial 158.75mm*79.395mm cell ECG19BSE2 type from ET Solar.   |
| 80030794 | 2021-03-25 | Update report 70206445 to add new RSM156-6-xxxBHDG, RSM144-6-xxxBHDG, RSM120-6-xxxBHDG model series, add RSYCB158B type 158.75mm*79.38mm N type HJT new cell from Risen Energy Co., Ltd., add Sn43Pb43Bi14 new interconnect ribbon, add new UV-100 type fixing tape from 3M.  |
| 80067736 | 2021-03-03 | Update report 70206445 to add new 9BB bifacial 158.75mm*79.375mm cell M158.75/D223 (16.8) -9BB-Bifacial-Half-PERC from Talesun Technologies (Thailand) Co., Ltd.  |
| 80066677 | 2021-02-23 | Update report 70206445 to add new 9BB bifacial 166mm*83mm cell M166-9BB-Bifacial-Half-PERC from Talesun Technologies (Thailand) Co., Ltd.   |
| 80065071 | 2021-02-09 | Update report 70206445 to add new RSM144-9-xxxBMDG, RSM132-9-xxxBMDG, RSM120-9-xxxBMDG model series, add new 10BB bifacial 182mm*91mm cell RSTDB182S from Risen, add new specifications for end ribbon, add new flux WTO-PV112B type from Shenzhen Vital Material Company Limited.  |
| 80059944 | 2020-11-20 | Update report 70206445 to add new RSM150-8-xxxBMDG, RSM90-8-xxxBMDG model series, add new 9BB bifacial 1/3 cut cell M2109BPERCBP from Tongwei, new fixing tape FF-3665 from Cybrid Technologies Inc., new EVA 9110T/POE PO8110 combination from 3M China Ltd., new junction box potting JS-1184 and junction box adhesive JS-606 from Hangzhou Zhijiang Silicone Chemicals Co., Ltd., new frame adhesive JS-606 from Hangzhou Zhijiang Silicone Chemicals Co., Ltd. |



**Certificate:** 70206445  
**Project:** 80151721

**Master Contract:** 259668  
**Date Issued:** 2023-04-10

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| 80056572 | 2020-10-26 | Update report 70206445 to add 531190 Class number for Risen Energy (Changzhou) Co., Ltd. (0000600986-Agreement contract).   |
| 80039515 | 2020-08-24 | Update report 70206445 to add new RSM144-7-xxxBMDG, RSM132-7-xxxBMDG, RSM120-7-xxxBMDG model series, add new 9BB bifacial cell RSTDB166S from Risen, new flux SF105 from Asahi Solder, new fixing tape HZ UV-100 from Huizhou Zhikuan Technology, new EVA SV-15296P/POE SE556 combination from Changzhou Sveck PV New Material Co., Ltd., new junction box PV-SY017-25 from Zhejiang Twinsel and related cable, connector, bypass diode, potting, adhesive. |
| 80039517 | 2020-06-10 | Update report to add new POE PO8110 manufactured by 3M Company.   |
| 80041966 | 2020-05-07 | Update report to add new junction box potting 5299W-S manufactured by Shanghai Huitian New Material Co., Ltd. and new junction box adhesive and frame adhesive manufactured by Shanghai Huitian New Material Co., Ltd.  |
| 80039516 | 2020-04-22 | Update report to add new RSM72-6-xxxBMDG, RSM60-6-xxxBMDG model series.   |
| 80039894 | 2020-04-16 | Update report to add a new manufacturer Risen Energy (YIWU) Co., Ltd., admin project to active the manufacturer in internal system.   |
| 80027015 | 2020-03-13 | Update report to add new bifacial cell RSTDB156S (9BB) manufactured by TAINERGY TECH CO., LTD., add 0.35mm in diameter interconnect ribbon and update the standard from CAN/CSA-C22.2 No. 61730-1:11 to the latest standard CAN/CSA-C22.2 No. 61730-1:19.   |
| 80030795 | 2020-01-21 | Update report to add a new manufacturer Risen Energy (YIWU) Co., Ltd.   |
| 80018285 | 2019-12-30 | Update report to add new bifacial cell RSTDB156S (9BB) manufactured by Risen Energy Co., Ltd.   |
| 80027016 | 2019-12-20 | Addition of new factory “Risen Energy (Changzhou) Co., Ltd.”  |
| 70206445 | 2019-05-29 | CSA C/US Certification for Double Glass Bifacial PV Modules, Model Series RSM144-6-xxxBMDG (xxx = 360 to 405 W), RSM132-6-xxxBMDG (xxx = 330 to 370 W), and RSM120-6-xxxBMDG (xxx = 300 to 340 W).  |