



# 525W - 545W BF 182 Mono PERC 10BB Half Cut 72x2

| Design Parameters |                            | Related Standards              | Drawing |
|-------------------|----------------------------|--------------------------------|---------|
| Product Model     | PS-MO-HC-XXX               | TS EN 61215-1 / 20.03.2017     |         |
| Cell Type         | BF 182 Mono PERC 10BB      | TS EN 61730-2 / 19.11.2018     |         |
| Number of Cells   | Half Cut 72x2              | TS EN 61215-2 / 18.12.2017     |         |
| Glass             | 3,2 mm                     | TS EN IEC 61730-1 / 19.11.2018 |         |
| Back Cover        | PET White                  | TS EN 61730-1 / 31.01.2008     |         |
| Frame             | Anodized Aluminium Alloy   | TS EN 61215-1-1 / 09.12.2016   |         |
| Output Cables     | 1200-1100-300 mm 1x4,0 mm2 |                                |         |
| Junction Box      | IP68 Rated                 |                                |         |
| <b>Packing</b>    |                            |                                |         |
| Weight            | 27,5 kg                    |                                |         |
| Dimension         | 2279mm-1134mm / 35X35 Gray |                                |         |
| Pieces            | 32 pcs/pallet              |                                |         |
| Truck             | 704 pcs/ Truck             |                                |         |

| Electrical Characteristics  |        |        |        |        |        |        |        |        |        |        |
|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Power Class                 | 545    |        | 540    |        | 535    |        | 530    |        | 525    |        |
|                             | STC    | NOCT   | STC    | NOCT   | STC    | NOCT   | STC    | NOCT   | STC    | NOCT   |
| Module Efficiency           | 21,18% |        | 20,90% |        | 20,72% |        | 20,54% |        | 20,36% |        |
| Maximum Power (Pmax)        | 545    | 404,61 | 540    | 400,90 | 535    | 397,18 | 530    | 393,47 | 525    | 389,76 |
| Maximum Power Voltage (Vmp) | 41,30  | 35,59  | 41,10  | 35,41  | 40,90  | 35,24  | 40,85  | 35,20  | 40,82  | 35,17  |
| Maximum Power Current (Imp) | 13,20  | 11,37  | 13,14  | 11,32  | 13,08  | 11,27  | 12,97  | 11,18  | 12,86  | 11,08  |
| Open Circuit Voltage (Voc)  | 49,90  | 43,00  | 49,70  | 42,82  | 49,50  | 42,65  | 49,45  | 42,61  | 49,40  | 42,56  |
| Short Circuit Current (Isc) | 13,96  | 12,03  | 13,90  | 11,98  | 13,84  | 11,92  | 13,74  | 11,84  | 13,64  | 11,75  |

"Standart Test Conditions (STC): irradiance 1000W/ m2 ,A.M 1,5, cell temperature 25 °C" - "Nominal Operating Cell Temperature (NOCT): irradiance 800W/ m2 , A.M 1,5 , Ambient temperature 20 °C , Wind 1 m/s" - Diagrams for STC.

| Temperature Ratings              |                     | Diagrams |  |
|----------------------------------|---------------------|----------|--|
| Temperature Coefficient of Pmax  | -0,36% (°C)         |          |  |
| Temperature Coefficient of Voc   | -0,30% (°C)         |          |  |
| Temperature Coefficient of Isc   | 0,05% (°C)          |          |  |
| Operating Temperature (°C)       | -40(°C) ~+85 (°C)   |          |  |
| <b>Electrical Limits</b>         |                     |          |  |
| Maximum System Voltage           | 1500 VDC (IEC & UL) |          |  |
| Maximum Series Fuse Rating       | 25 A                |          |  |
| Power Tolerance                  | 0 ~ +3%             |          |  |
| <b>Mechanical Limits</b>         |                     |          |  |
| Front Side Static Design Loading | 3600 Pa             |          |  |
| Back Side Static Design Loading  | 1600 Pa             |          |  |
| Hailstone                        | d: 25 mm, 23 m/s    |          |  |