



- Guaranteed positive output tolerance of 0...+5 Wp by single measuring
- Maximum 5000 Pa snow load
- 3,2 mm anti-reflective glass
- Maximum stability trough aluminium frame Soft-Grip
- 10 years manufacturer's warranty
25 years linear performance guarantee

Polycrystalline 60 cells

Type EXP ... 156-60	225W* °	230W* °	235W* °	240W* °	245W* °	250W* °	260W* °	270W	275W	280W
Nominal output Pmpp	225Wp	230Wp	235Wp	240Wp	245Wp	250Wp	260Wp	270Wp	275Wp	280Wp
Nominal voltage Umpp	29,10V	29,50V	29,70V	30,25V	30,36V	30,70V	30,94V	31,12V	31,5V	31,69V
Nominal current Impp	7,80A	7,92A	7,94A	7,98A	8,13A	8,18A	8,45A	8,71A	8,70A	8,89A
Short circuit current Isp	8,39A	8,50A	8,52A	8,55A	8,67A	8,71A	9,03A	9,19A	9,25A	9,31A
Open circuit voltage Uop	36,60V	36,80V	36,80V	37,20V	37,50V	37,80V	38,10V	38,21V	38,6V	39,46V
Module conversion efficiency	14,10%	14,44%	14,44%	14,75%	15,06%	15,59%	15,98%	16,60%	16,70%	17,21%

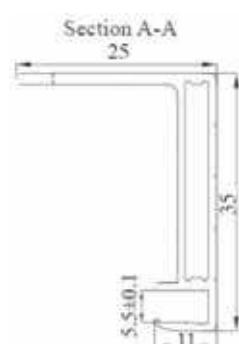
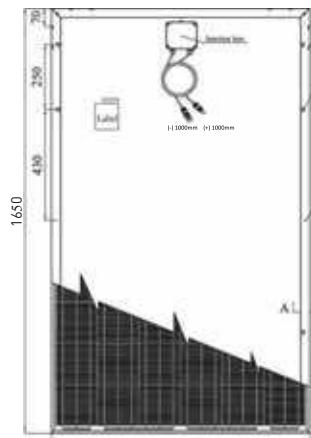
Electrical characteristics (at Standard Test Conditions (STC) of irradiance 1000W/m², spectrum AM 25°C)

* = on demand

° = tollerance +/- 5%

Design

Frontside	3,2 mm anti-reflective glass
Cells	60 polycrystalline high efficiency cells 156x156 mm (6")-5BB
Backside	Composite film
Frame	40mm silver anodized aluminium frame



Power connection

Socket	Protection class IP 67 (3 bypass diodes)
Wire	Approx 110 cm / 4 mm ²
Plug-in system	Plug / Socket IP 67

Mechanical data

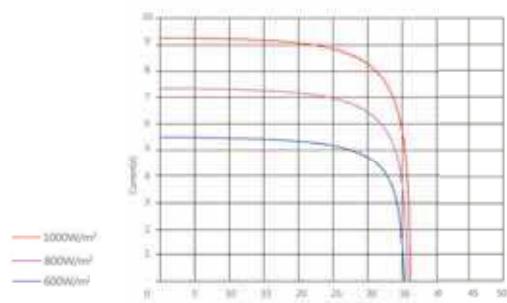
LxWxH	1650 x 992 x 40 mm
Weight	18 kg with frame

Temperature coefficient

Voltage Uoc	-0,30%K
Current Isc	+0,04%K
Output Pmpp	-0,42%K

Limit values

System voltage	1000 VDC
NOCT*	45°C +/- 2K
Max. load-carrying capacity	5400 N/m ² tested to 8000 Pa
Reverse current feed IR	16,0 A



*NOCT, irradiance 800 W/m²; AM 1.5; wind speed 1 m/sec; Temperature 20°C