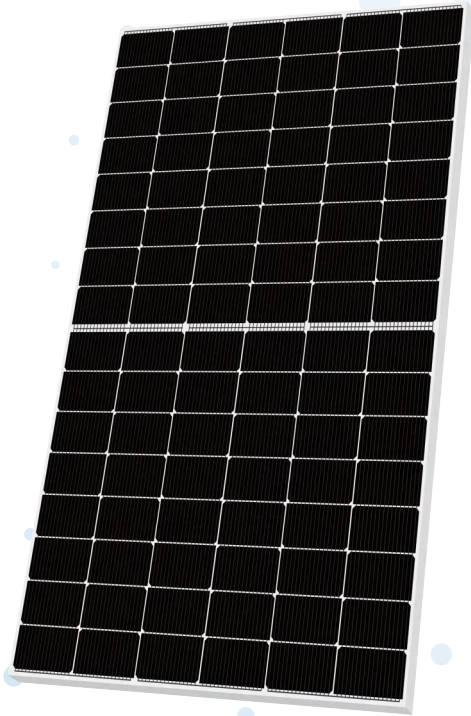




SpolarPV
Easy Invest, More Returns

S-Elite

455Watt



Power Range 440-455Watt

22.79 %

Module efficiency



High Efficiency

Higher power conversion efficiency benefited from advanced SpolarPV technology.



Anti-reflection

Less than 20% reflectivity with minimum glare.



Good Mechanical Load

Certified to withstand: wind load (2400 Pa), snow load and hail strike(5400 Pa) .



Low Light Resilience

Advanced glass and cell surface texture designs ensure excellent performance in low light environment.



Environmental Durability

Good performance of Anti-PID & Salt mist certified by 2 PfG 2387/01.18 and IEC61701.

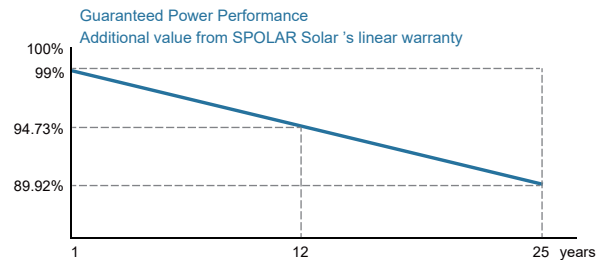
Features

12
years

Product warranty

25
years

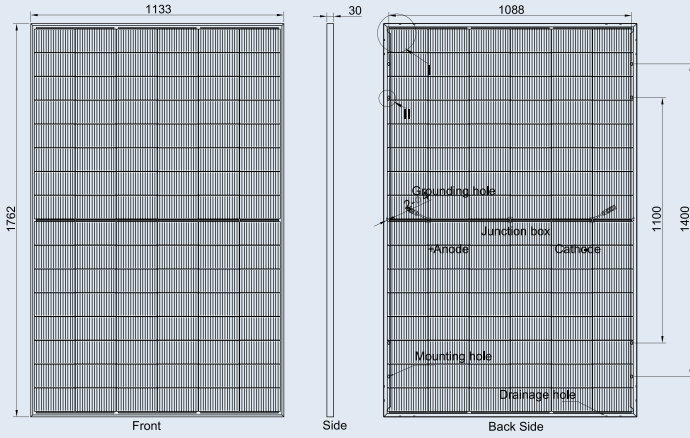
Linear power warranty



REACH



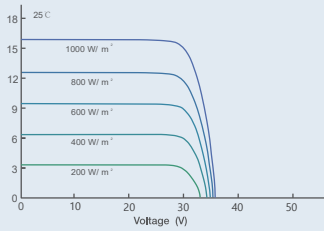
Dimensions & IV-Curves



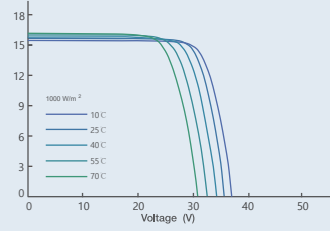
Mechanical Characteristics

Cell Type	Mono-crystalline
No. of Cells	96 (6x16)
Dimensions	1762x1133x30 mm
Weight	22.0 kg
Glass	3.2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, MC4 Compatible, 3 Bypass Diode
Packaging Configuration	1x4.0 mm ² , Length: 1200 mm or Customized Length
Output Cables	72pcs/stack, 936pcs/40'HQContainer (Two pallets=One stack)

Current-Voltage Curve under different irradiance



Current-Voltage Curve under different working temperatures



Temperature & Maximum Ratings

Operating Temperature (°C)	-40 °C ~ +85 °C
Nominal Operating Cell Temperature	45 ± 2 °C
Temperature Coefficients of Pmax	-0.30% / °C
Temperature Coefficients of Voc	-0.275% / °C
Temperature Coefficients of Isc	0.045% / °C
Power Tolerance	0 ~ +3W
Maximum System Voltage	1500 V
Maximum Series Fuse Rating	35 A

Electrical Characteristics at Standard Test Conditions (STC)

Maximum Power - Pmax (W)	440	445	450	455
Maximum Power Voltage - Vmp (V)	29.50	29.78	30.06	30.34
Maximum Power Current - Imp (A)	14.92	14.95	14.98	15.01
Open-circuit Voltage - Voc (V)	35.05	35.33	35.61	35.89
Short-circuit Current - Isc (A)	15.89	15.93	15.96	15.99
Module Efficiency STC (%)	22.04 %	22.29 %	22.54 %	22.79 %

Electrical Characteristics at Normal Operating Cell Temperature (NOCT)

Maximum Power - Pmax (W)	331	335	338	342
Maximum Power Voltage - Vmp (V)	27.36	27.64	27.92	28.20
Maximum Power Current - Imp (A)	12.12	12.18	12.23	12.24
Open-circuit Voltage - Voc (V)	32.71	32.99	33.27	33.55
Short-circuit Current - Isc (A)	12.79	12.85	12.88	12.90

The company reserves the final right for explanation on any of the information presented hereby.