Deutsche
Qualität
Garantiert

SOLERON
POWERING THE FUTURE

Mono-Perc Technology

SLR-MP-425

425W



More power, less degradation

22.80%

MAXIMUM EFFICIENCY

72 Full Cells

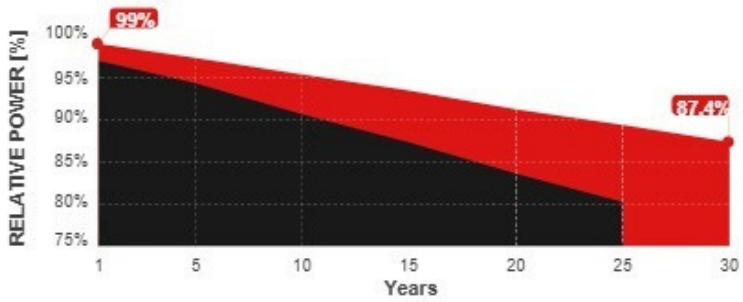
Mono-Perc Technology

Monocrystalline modules with PERC technology

LID/LeTID degradation and better low light performance

LID RESISTANT | PID RESISTANT | SALT CORROSION RESISTANT | SAND RESISTANT | AMMONIA RESISTANT | HIGHLY STABLE AND TOUGH

PERFORMANCE WARRANTY



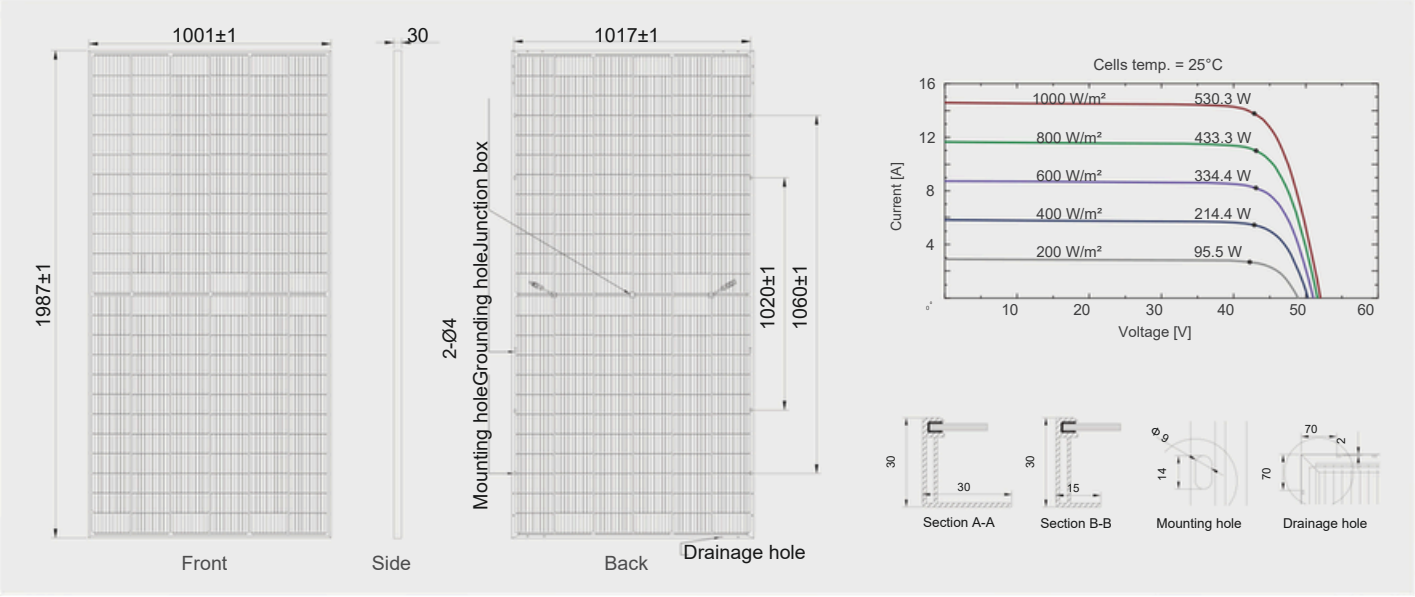
SYSTEM AND PRODUCT CERTIFICATIONS

ISO14001

IEC

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Electrical specifications (STC*):

Nominal max. Power	P_{max} (Wp)	405	410	415	420	425
Maximum operating voltage	VMPP (V)	42,39	42,41	42,43	42,45	42,47
Maximum operating current	IMPP (A)	9,55	9,66	9,78	9,89	10,01
Open-circuit voltage	Voc (V)	49,40	49,50	49,60	49,70	49,80
Short-circuit current	Isc (A)	10,25	10,29	10,33	10,37	10,43
Module efficiency	η (%)	22,00	22,20	22,40	22,60	22,80
Power tolerance	(W)			0~+5		
Maximum system Voltage	(V)			1500		
Maximum series fuse rating	(A)			30		

*STC: Standard Test Conditions (irradiance 1000 W/m², cell temperature 25°C and air mass of AM1.5), measurement tolerance Pmax: ±3%

Mechanical and design specifications

Cell type	Mono-Perc Technology
No. of cells	72
Front cover	high transmission, AR coated, tempered glass
Encapsulation	EVA
Back cover	white tempered glass or transparent backsheet
Junction box	IP68 rated, 3 bypass diodes
Frame	30 mm anodized aluminium alloy
Cable	1 x 4 mm², 350 mm length or customized
Connectors	MC 4 / MC 4 compatible
Dimension	1987 mm x 1001 mm x 30 mm
Weight	22kg
Hail resistance	Max. Ø 25 mm at 23 m/s
Wind load	2400 Pa or 244 kg/m²
Snow load	5400 Pa or 550 kg/m²

Temperature ratings

Operating temperature	-40 to +85°C
Temp. coefficient of P_{max}	-0.29 %/°C
Temp. coefficient of V_{oc}	-0.25 %/°C
Temp. coefficient of I_{sc}	0.046 %/°C
Nom. operating cell temp. NOCT	42 ± 2°C

The specifications and characteristics contained in this datasheet may deviate slightly from our actual products due to the product developments and uncertainty of measurement devices.
The specifications included in the datasheet are subject to change without prior notice.

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