

MONO PERC FACIAL HALF CELL MODULE

SL5M108

415 | 420 WATT

ELECTRICAL DATA	STC	NMOT	STC	NMOT
RATED POWER In Watts-Pmax(Wp)	415	314	420	318
Maximum Power Voltage-Vmpp(V)	31.66	29.74	31.87	30.03
Maximum Power Current-Imp(A)	13.11	10.55	13.18	10.59
Open Circuit Voltage-Voc(V)	37.5	31.61	37.65	31.9
Short Circuit Current-Isc(A)	14	11.17	14.07	11.21
Module Efficiency(%)	21.30%		21.50%	

STC: Irradiation 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.
 NOCT: Irradiation: 800 W/m², ambient temperature: 20°C, air mass: 1.5, wind speed 1 m/s

MECHANICAL CHARACTERISTICS

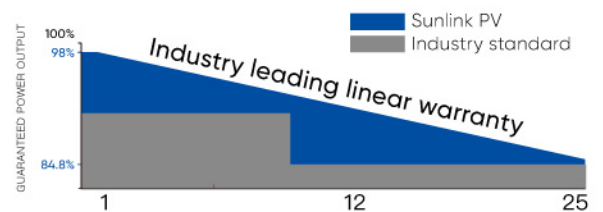
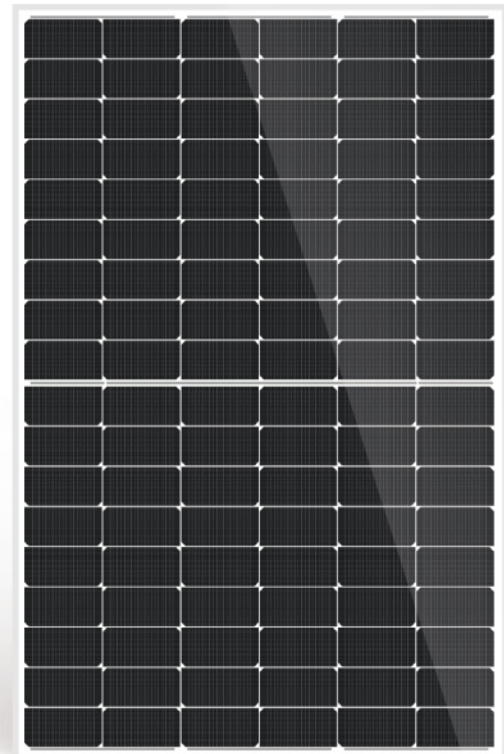
Solar Cells	Monocrystalline, MBB
Cell Configuration	108 cells (6*9*2)
Module Dimensions	1722*1134*30mm
Weight	21.5kg
Glass	High Transmission, Low Iron, Tempered ARC Glass
Back Sheet	White Back-sheet
Frame	Anodized Aluminium Alloy, Silver
J-box	IP68, 3bypass diodes
Cables	4mm ² , (+)380mm, (-)380mm or customized length
Connector	MC4 Compatible

TEMPERATURE AND MAXIMUM RATINGS

Nominal Module Operating Temperature(NMOT)	44±2°C
Temperature Coefficient of Voc	-0.27%/°C
Temperature Coefficient of Isc	0.048%/°C
Temperature Coefficient of Pmax	-0.35%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Max Series Fuse Rating	25A

PACKAGING CONFIGURATION

	40FT(HQ)
Number of Modules Per Container	936
Number of Modules Per Pallet	36
Number of Pallets Per Container	26

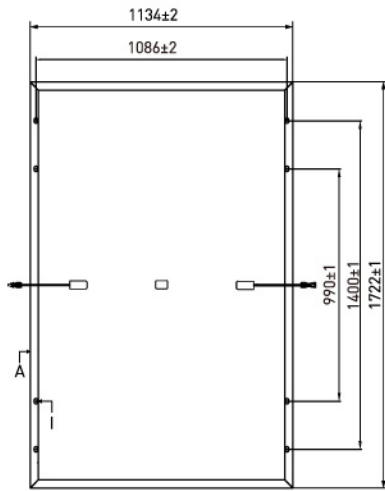


12 years product warranty | 25 years linear performance warranty

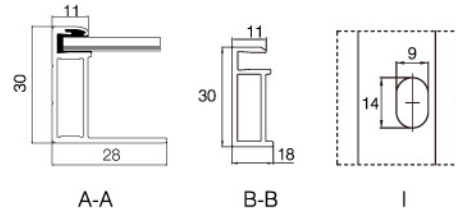
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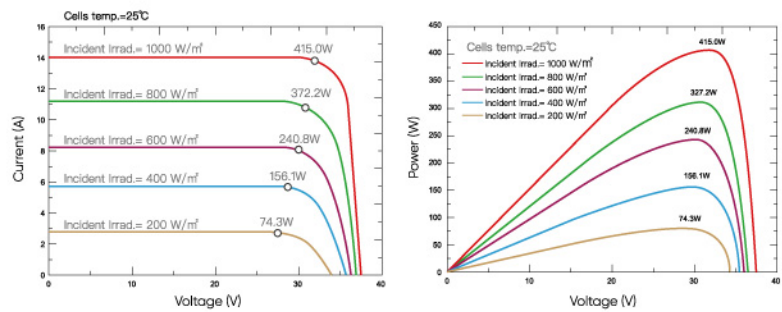
BACK OVERVIEW



DRAWINGS (MM)



CURRENT-VOLTAGE & POWER-VOLTAGE CURVES (415 WATT)



HIGHLIGHTS

$$+\frac{W}{m^2}$$

HIGHER EFFICIENCY

- Module efficiency high to 21.5% ensure less BOS cost
- Gain more solar power per square meter

$$\frac{12}{25}$$

LONGER WARRANTY

- PERC technology ensures 12-year product warranty and 25-year power warranty

$$\begin{matrix} <2\% \\ \leq 0.55\% \end{matrix}$$

LESS DEGRADATION

- 1st year degradation < 2%
- Annual degradation < 0.55%

$$\begin{matrix} \% / ^\circ C \\ -0.35 \end{matrix}$$

LOWER TEMPERATURE COEFFICIENT OF P_{MAX}

- PERC modules' coefficient of P_{max} low to -0.35%/°C helps gaining more power at sunny days.