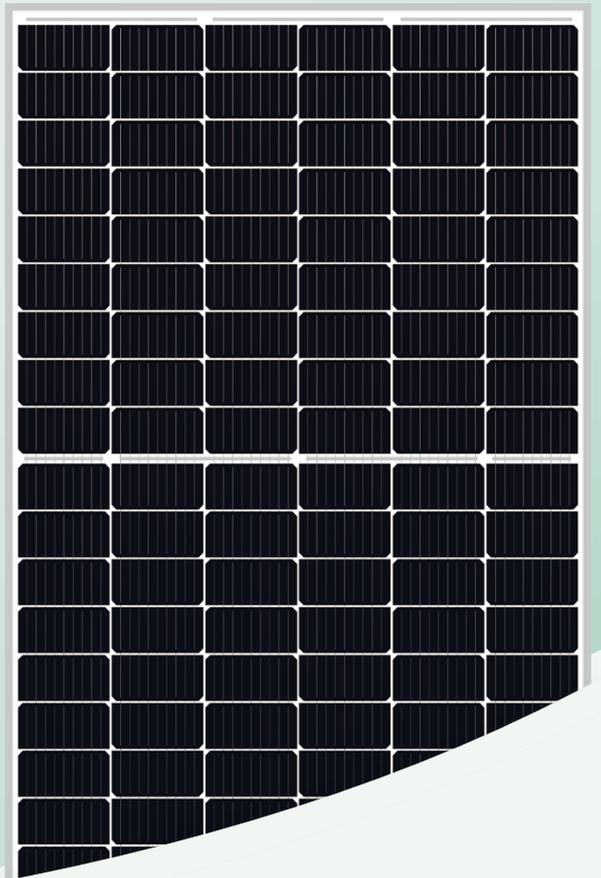


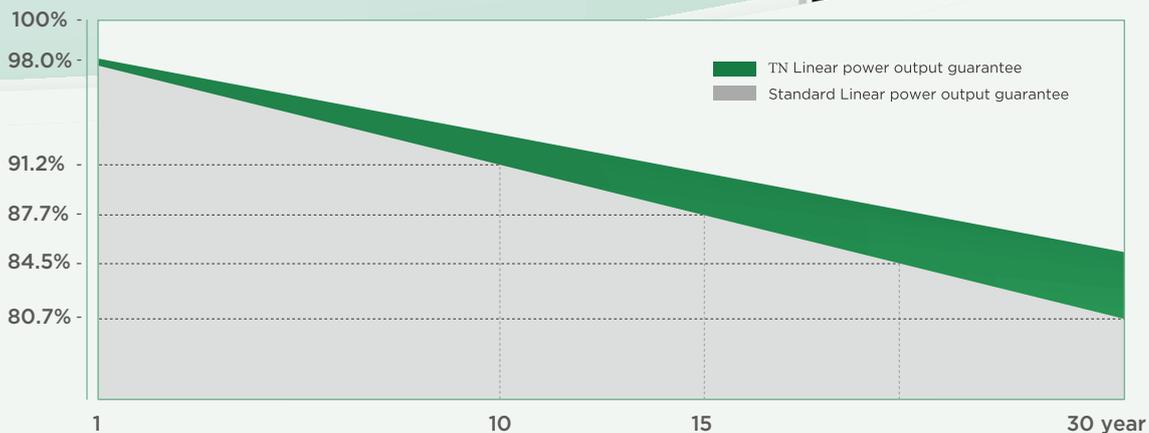
390~415W

**182mm Cells Mono
PERC with MBB & Half-cut
Technology**



Quality Guarantee

20-year Warranty for Materials and Processing
30-year Warranty for Extra Linear Power Output



21.30%
Max Module Eff.

0±5%
Positive Tolerance

Complete System and Product Certifications

IEC 61215, IEC 61730, UL 61730
ISO 9001:2008: ISO Quality Management System
ISO 14001: 2004: ISO Environment Management System
OHSAS 18001: 2007 Occupational Health and Safety



* Specifications subject to technical changes and tests. Solar reserves the right of interpretation.

Positive power tolerance (0±5%) guaranteed

High module conversion efficiency (up to 21.30%)

Slower power degradation enabled by Low LID Mono PERC technology: first year <2%, 0.55% year 2-25

Solid PID resistance ensured by solar cell process optimization and careful module BOM selection

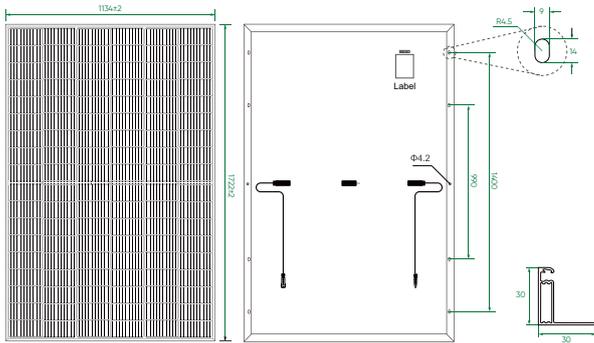
Reduced resistive loss with lower operating current

Higher energy yield with lower operating temperature

Reduced hot spot risk with optimized electrical design and lower operating current

390~415W

Design (mm)



*Units: mm *Tolerance: ±2mm

Cell Orientation	108 (2x54)
Junction Box	IP68, three diodes
Output Cable	4mm ² , 300mm in length, length can be customized
Glass	Single glass 3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	20.5kg±3%
Dimension	1722×1134×30mm
Packaging	36pcs per pallet 936pcs per 40'ft Container

Operational Temperature	-40°C~+85°C
Power Output Tolerance	0±5%
Voc & Isc Tolerance	±3%
Max. System Voltage	DC1500V(IEC/UL)
Max. Series Fuse Rating	25A
NOCT	45±2°C
Safety Class	II
Fire Rating	UL type 1 or 2
Max. Static Load(Front)	5400Pa
Max. Static Load(Back)	2400Pa

Electrical Characteristics

Model Number	390M-54H		395M-54H		400M-54H		405M-54H		410M-54H		415M-54H	
	STC	NOCT										
Maximum Power (Pmax/W)	390	294	395	298	400	302	405	306	410	310	415	314
Open Circuit Voltage (Voc/V)	36.85	34.62	36.98	34.75	37.07	34.88	37.23	35.12	37.32	35.23	37.45	35.37
Short Circuit Current (Isc/A)	13.61	10.89	13.70	10.96	13.79	11.03	13.87	11.10	13.95	11.16	14.02	11.22
Voltage at Maximum Power (Vmp/V)	30.64	28.87	30.84	29.08	31.01	29.23	31.21	29.47	31.45	29.72	31.61	29.89
Current at Maximum Power (Imp/A)	12.73	10.18	12.81	10.25	12.90	10.32	12.98	10.38	13.04	10.43	13.13	10.50
Module Efficiency(%)	20.0		20.4		20.6		20.8		21.1		21.3	
Temperature Coefficient of Isc												+0.045%/°C
Temperature Coefficient of Voc												-0.275%/°C
Temperature Coefficient of Pmax												-0.350%/°C

* STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25°C, Spectra at AM1.5

* NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/s

* Test uncertainty for Pmax: ±3%

I-V Curve

