

# MONO PERC FACIAL HALF CELL MODULE

## SL5M144

550 | 555 WATT

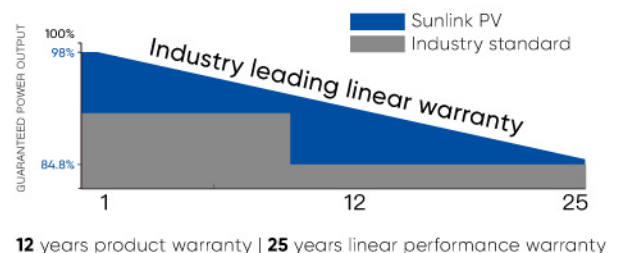
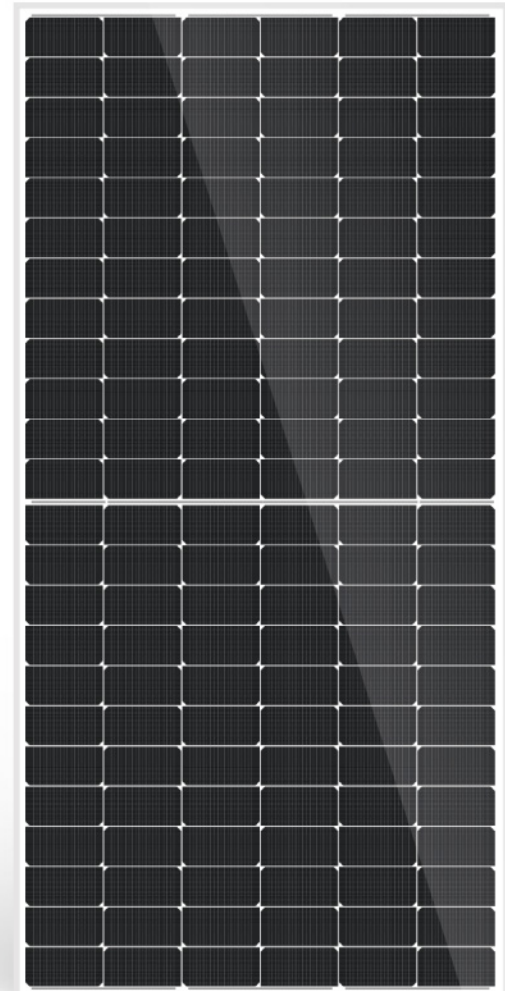
ELECTRICAL DATA	STC	NMOT	STC	NMOT
RATED POWER In Watts-Pmax(Wp)	550	416	555	420
Maximum Power Voltage-Vmpp(V)	41.97	39.43	42.14	39.66
Maximum Power Current-Imp(A)	13.1	10.55	13.17	10.59
Open Circuit Voltage-Voc(V)	49.9	46.68	50.05	46.8
Short Circuit Current-Isc(A)	14	11.17	14.07	11.21
Module Efficiency(%)	21.30%		21.50%	

STC: Irradiation 1000 W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.  
 NOCT: Irradiation: 800 W/m<sup>2</sup>, ambient temperature: 20°C, air mass: 1.5, wind speed 1 m/s

MECHANICAL CHARACTERISTICS	
Solar Cells	Monocrystalline, MBB
Cell Configuration	144 cells(6*12*2)
Module Dimensions	2278*1134*30mm
Weight	28kg
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 <sup>2</sup> , (+)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

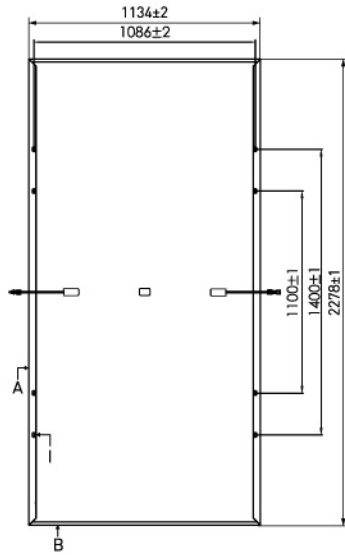
PACKAGING CONFIGURATION	
	40FT(HQ)
Number of Modules Per Container	720
Number of Modules Per Pallet	36
Number of Pallets Per Container	20



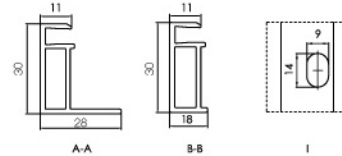
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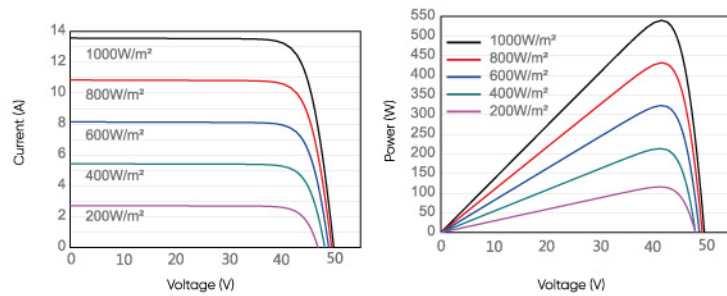
## BACK OVERVIEW



## DRAWINGS (MM)



## CURRENT-VOLTAGE & POWER-VOLTAGE CURVES (550 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<sub>MAX</sub>

- PERC modules' coefficient of P<sub>max</sub> low to -0.35%/°C helps gaining more power at sunny days.