

# MONO PERC TRI CELL MODULE

## TRI+MBB

SL4MT120  
390-405 WATT

**HIGHER POWER DENSITY**  
 · Output up to 405watt on 1.922 M<sup>2</sup>  
 · Module efficiency high to 21.1%  
 · Gain more solar power per square meter

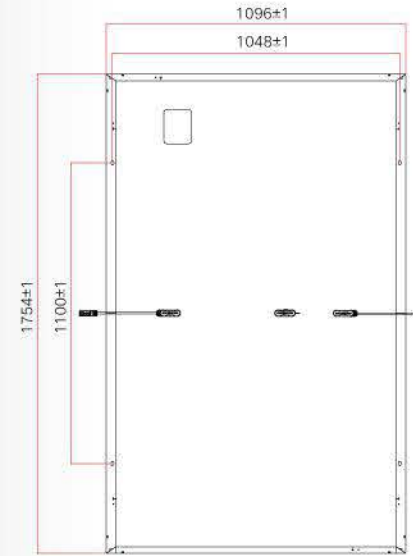
**TRI+MBB**  
 · TRI design decrease more on working temperature and hot-spot risk,  
 · MBB design deduce cover of busbars and improve current collection ability on windy days,  
 · Improve the output/watt.

**LIGHTER BUT MORE RELIABLE**  
 · Modules are much lighter  
 · Thicker frames ensure modules much stronger

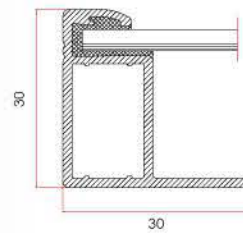
**APPLIED UNDER STRICT CONDITIONS**  
 · Modules could be applied under ammonia, salt mist, high temperature, high humidity condition

**IP68**  
 · IP68 junction boxes improve water-proof performance

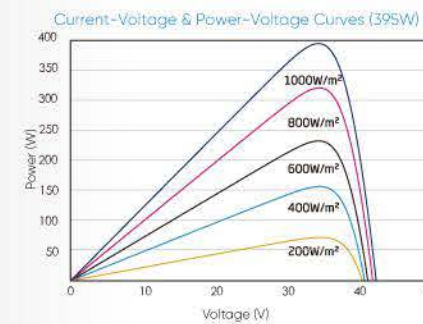
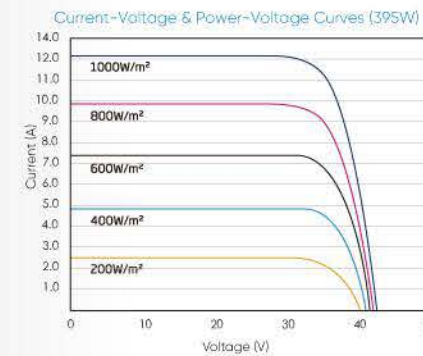
**EXCELLENT FIRE-PROOF PERFORMANCE**  
 · Modules have passed anti-fire test



Back overview



A-A



### ELECTRICAL DATA (STC)

Rated Power In Watts-Pmax (Wp)	390	395	400	405
Maximum Power Voltage-Vmpp (V)	33.8	34	34.2	34.4
Maximum Power Current-Impp (A)	11.54	11.62	11.70	11.77
Open Circuit Voltage-Voc (V)	40.8	41.0	41.2	41.4
Short Circuit Current-Isc (A)	12.14	12.21	12.28	12.35
Module Efficiency (%)	20.3%	20.5%	20.8%	21.1%

STC: Irradiation 1000 W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.

### ELECTRICAL DATA (NMOT)

Maximum Power-Pmax (Wp)	295	299	303	306
Maximum Power Voltage-Vmpp (V)	31.8	32.0	32.2	32.5
Maximum Power Current-Impp (A)	9.28	9.34	9.40	9.43
Open Circuit Voltage-Voc (V)	38.4	38.6	38.8	40.0
Short Circuit Current-Isc (A)	9.78	9.84	9.90	9.94

NMOT: 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	120 cells (5 x 12 x 2)
Module Dimensions	1754 x 1096 x 30 mm
Weight	21 kg
Glass	High Transmission, Low Iron, Tempered ARC Glass
Back Sheet	White Back-sheet
Frame	Anodized Aluminium Alloy, Silver
J-Box	IP68, 3 bypass diodes
Cables	4.0mm <sup>2</sup> , Positive (+) 900mm, Negative (-) 900mm
Connector	MC4 Compatible

### TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	43±2°C
Temperature Coefficient of Voc	-0.25% / °C
Temperature Coefficient of Isc	0.04% / °C
Temperature Coefficient of Pmax	-0.34% / °C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Max Series Fuse Rating	20A