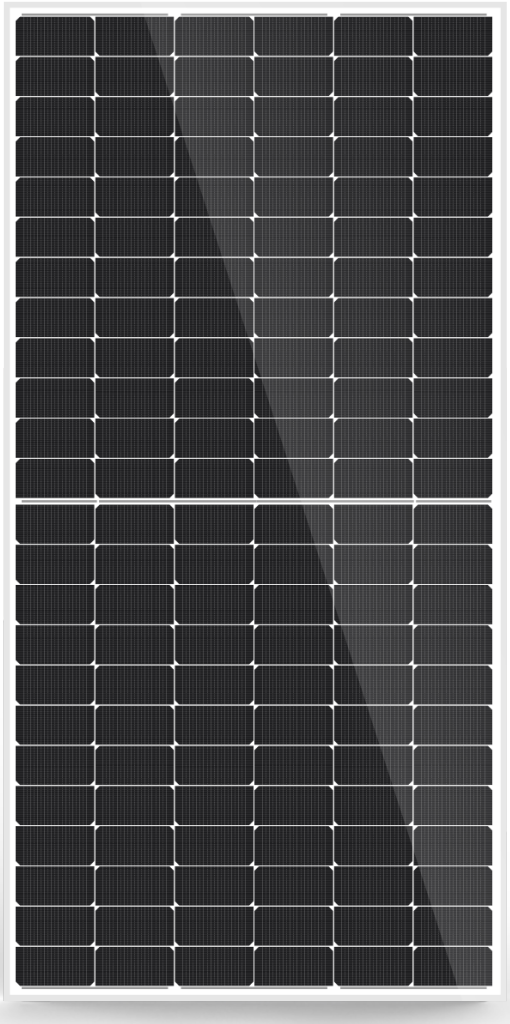
SunLink PV

BIFACIAL MONO PERC HALF CELL MODULE

SEMI+MBB

SL5M144
535-550 WATT



HIGHER POWER DENSITY
·Output up to 550watt on 2.584 M^2
·Module efficiency high to 21.3%
·Gain more solar power per square meter

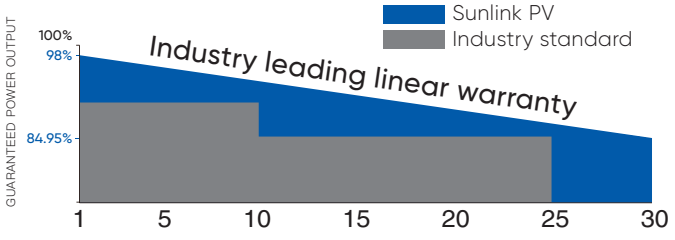
SEMI+MBB
·Semi design deduce working temperature of operation and minimize hot-spot risk
·MBB design deduce cover of busbars and improve current collection ability on windy days
·Improve the output/watt

ENHANCED MECHANICAL LOAD
·Wind load 2400 Pascal
·Snow load 5400 Pascal

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



12 years product warranty | **30** years linear performance warranty

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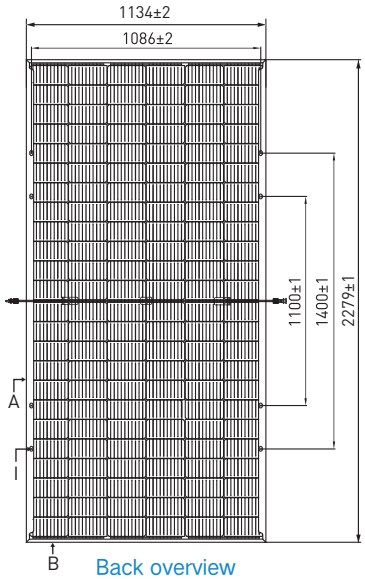
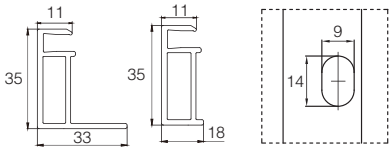
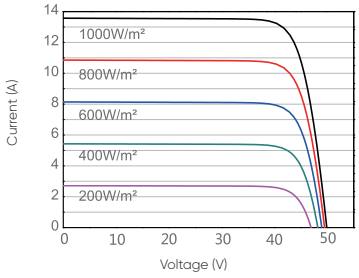
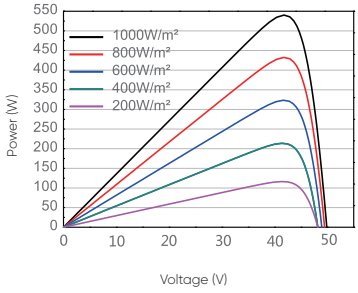


Back overview



Current-Voltage &
Power-Voltage Curves (SL5M144)





ELECTRICAL DATA (STC)

Rated Power In Watts-Pmax (Wp)	535	540	545	550
Maximum Power Voltage-Vmpp (V)	41.47	41.64	41.81	41.97
Maximum Power Current-Impp (A)	12.90	12.97	13.04	13.10
Open Circuit Voltage-Voc (V)	49.45	49.60	49.75	49.90
Short Circuit Current-Isc (A)	13.79	13.86	13.93	14.00
Module Efficiency (%)	20.70%	20.90%	21.10%	21.30%

STC: Irradiation 1000 W/m², Cell Temperature 25℃, Air Mass AM1.5 according to EN 60904-3.

ELECTRICAL DATA (NMOT)

Maximum Power-Pmax (Wp)	404	408	412	416
Maximum Power Voltage-Vmpp (V)	38.78	38.99	39.21	39.43
Maximum Power Current-Impp (A)	10.43	10.47	10.51	10.55
Open Circuit Voltage-Voc (V)	46.31	46.43	46.55	46.68
Short Circuit Current-Isc (A)	11.05	11.09	11.13	11.17

NOCT: Irradiation: 800 W/m², ambient temperature: 20℃, air mass: 1.5, wind speed 1 m/s

Electrical Characteristics With Different Rear Side Power Again (Reference To 550w Front)

Pmax gain (%)	5%	10%	15%	20%	25%
Maximum Power (Pmax/W)	578	605	633	660	688
Maximum Power Voltage (Vmpp/V)	41.97	41.97	41.97	41.97	41.97
Maximum Power Current (Impp/A)	13.76	14.41	15.07	15.72	16.38

MECHANICAL CHARACTERISTICS

Solar Cells	Monocrystalline, MBB
Cell Configuration	144 cells (6 x 12 x 2)
Module Dimensions	2279 x 1134 x 35 mm
Weight	32.0 kg
Glass	2.0mm Tempered ARC Glass
Back Sheet	2.0mm Glass
Frame	Anodized Aluminium Alloy, Silver
J-Box	IP68, 3 bypass diodes
Cables	4.0mm², (+) 380mm, (-) 380mm or customized length
Connector	MC4 Compatible

TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	44±2℃
Temperature Coefficient of VOC	-0.275% / ℃
Temperature Coefficient of ISC	0.045% / ℃
Temperature Coefficient of PMAX	-0.35% / ℃
Operational Temperature	-40℃~+85℃
Maximum System Voltage	1500VDC
Max Series Fuse Rating	25A

PACKAGING CONFIGURATION

	40 FT (HQ)
Number of Modules Per Container	620
Number of Modules Per Pallet	31
Number of Pallets Per Container	20