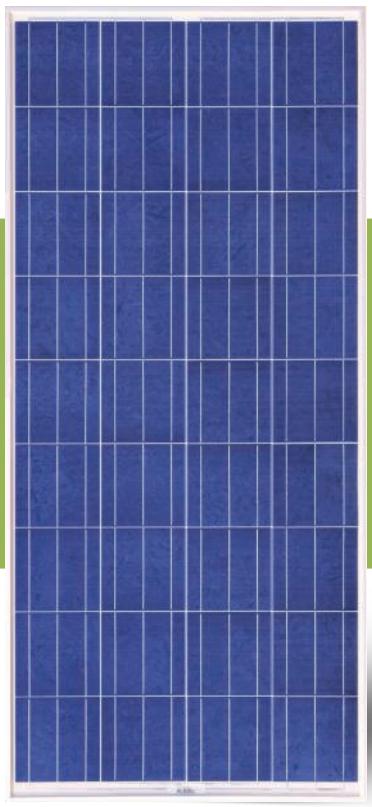
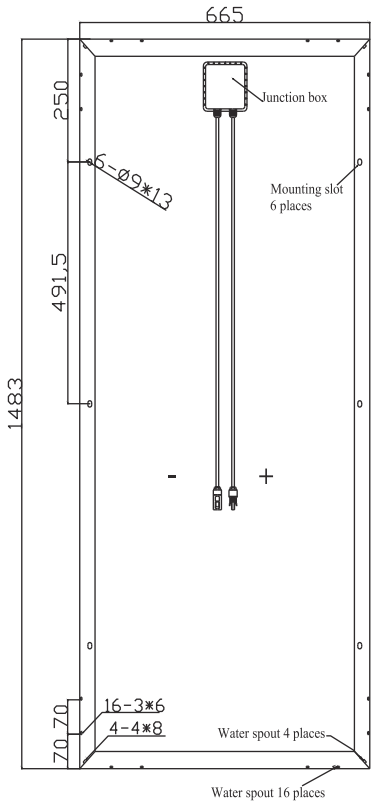
SunLink PV®

150 W Maximum Power

High Efficiency Poly-crystalline Solar Module





BENEFITS

- High and stable conversion efficiency based on over 8 years professional experience.
- High reliability with guaranteed 0 - +3% output power tolerance.
- Proven materials,tempered front glass, and a sturdy anodized aluminum frame allow modules to operate reliably in multiple mountily configuration.
- Combination of high efficiency and attractive appearance.

QUALITY AND SAFETY

- 25-year output power warranty.
- ISO9001:2008 (Quality Management System) certified factory.
- IEC61215, Safety tested IEC61730,CE.
- Product Quality Warranty & Product Liability Insurance guarantee end users' benefit.

TEMPERATURE COEFFICIENTS

Temperature coefficients		at 1000 W/m², 25 ˚C, air mass: 1.5
Voltage coefficient (V_{oc})	β	- 0.35 %/K
Current coefficient (I_{sc})	α	+ 0.055 %/K
Power coefficient (P_{mpp})	γ	- 0.45 %/K
Minimum power tolerance		0 - + 3 %

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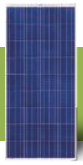


TECHNICAL DATA

Solar cell	36 poly-crystalline 156 × 156 mm
Front glass	3.2 mm tempered glass
Junction box	IP65 rated
Bypass-diodes	2 pieces
Output cables	900 mm length cable, compatible with MC Ⅳ connectors
Frame	anodized aluminium
Weight	12 kg
Dimensions	1483 × 665 × 35 mm

WARRANTY AND CERTIFICATIONS

Warranty	10 years workmanship, 12 years 90%, 25 years 80% power warranty
Certifications	IEC61215, Safety tested IEC61730, CE

ELECTRICAL DATA

Module Type	SL110-12P150	SL110-12P145	SL110-12P140	SL110-12P135	SL110-12P130
Nominal peak power (P_{max})	150W	145W	140W	135W	130W
Nominal voltage (V_{mpp})	17.2V	17.2V	17.2V	17.2V	17.2V
Nominal current (I_{mpp})	8.72A	8.43A	8.14A	7.85A	7.56A
Open circuit voltage (V_{oc})	21.6V	21.6V	21.6V	21.6V	21.6V
Short circuit current (I_{sc})	9.25A	8.94A	8.64A	8.19A	8.02A
Module efficiency	15.1%	14.6%	14.1%	13.6%	13.1%
Operating Temperatre	-40~+85℃	-40~+85℃	-40~+85℃	-40~+85℃	-40~+85℃
Maximum System Voltage	1000 V DC	1000 V DC	1000 V DC	1000 V DC	1000 V DC
STC: Irradiation: 1000 W/m², module temperature: 25 ℃, air mass: 1.5 (EN 60904-3)					
Maximum power (P_{max})	108W	105W	101W	97W	94W
Nominal voltage (V_{mpp})	16.5V	16.5V	16.5V	16.5V	16.5V
Nominal current (I_{mpp})	6.56A	6.34A	6.12A	5.91A	5.69A
Open circuit voltage (V_{oc})	19.9V	19.9V	19.9V	19.9V	19.9V
Short circuit current (I_{sc})	6.89A	6.66A	6.43A	6.10A	5.97A
NOCT: Irradiation: 800 W/m², module temperature: 45 ℃, air mass: 1.5 Performance under weak light conditions (200 W/m²) EN60904−1, 95.3 % or higher of the STC efficiency (1000 W/m²) is achieved					

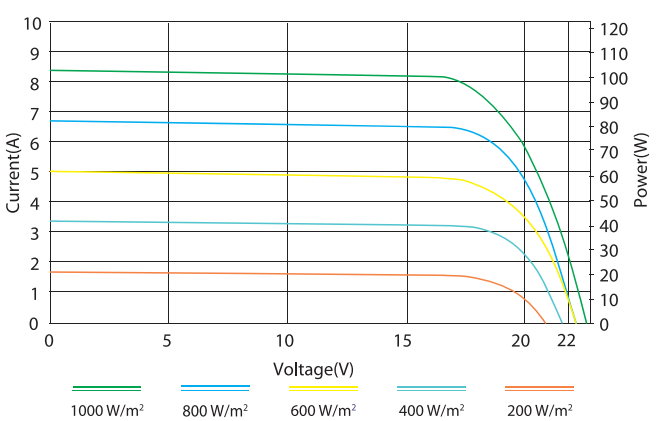
PACKING CONFIGURATION

Container	20'GP	40'GP
Pieces per pallet	30	30
Pallets per container	14	30
Pieces per container	420	900

EXAMPLES OF APPLICATION

- Grid-connected systems, for E.G.
  - Residential solar power systems.
  - Public and industrial solar power systems.
- Solar power stations.

Current-Voltage & Power-Voltage Curve (SL110-12P145)



CAUTION: Read Safety And Installation.Instructions Before Using The Product.

Sepcifications included in this datasheet are subject to change without notice.

♻ Printed on recycled paper.