



LEAPTON
SOLAR

Monocrystalline

Polycrystalline

LP156*156-P-60-H

Rated Power 280-300W



5BB Cell

More uniform current collection capability, reducing the current heat loss of the internal cells.



Low Light Features

Higher performance under low light environment.



Higher Output Power

The output power of 120 half-cells Polycrystalline modules is up to 300W.



PID Protection

Ensure the attenuation probability caused by PID phenomenon is minimized.



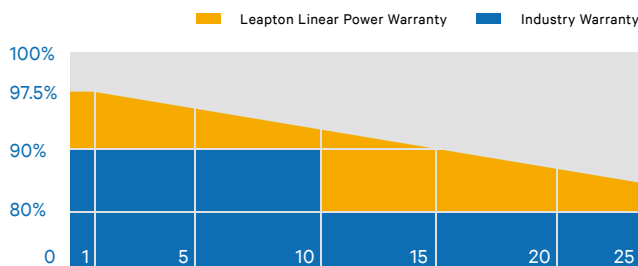
Harsh Environmental Adaptability

Strict salt spray and ammonia corrosion test by TUV Nord.



Load Capacity

Mechanical load tests including wind load 2400 Pa and snow load 5400 Pa done by TUV Nord.



J-PEC Product



IEC 61215-2: 2016
IEC 61703-1: 2016
IEC 61730-2: 2016



IEC 61701: 2011
Salt mist corrosion testing



IEC 62716: 2013
Ammonia Corrosion Testing

Headquarter : Leapton Energy Co., Ltd.

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Manufacturer : Leapton Solar (Changshu) Co., Ltd.

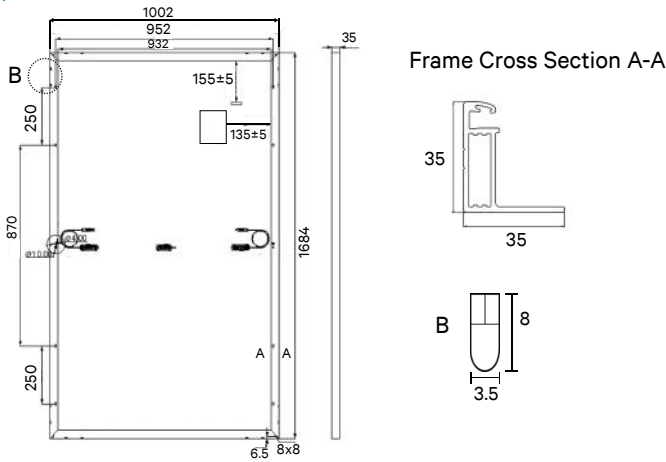
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MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	19kg
Dimensions	1684mm*1002mm*35mm
Cell Amount	60*2 pcs
Maximum System Voltage	1000/1500V
Junction Box	IP68
Frame	Aluminum Alloy
Cable	4mm ² , Landscape: N 1100mm/P 1100mm Portrait: N 150mm/P 300mm
Connector	MC4 compatible
Application Level	Class A

ELECTRICAL PARAMETERS AT STC

Power	280W	285W	290W	295W	300W
Open Circuit Voltage	38.60V	38.80V	39.00V	39.20V	39.40V
Short Circuit Current	9.45A	9.55A	9.65A	9.75A	9.85A
Maximum Power Voltage	31.90V	32.35V	32.80V	33.25V	33.66V
Maximum Power Current	8.78A	8.81A	8.84A	8.87A	8.91A
Module Efficiency	16.6%	16.9%	17.2%	17.5%	17.8%

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

ELECTRICAL PARAMETERS AT NMOT

Power	210W	214W	218W	221W	225W
Open Circuit Voltage	35.70V	35.90V	36.10V	36.30V	36.50V
Short Circuit Current	7.56A	7.64A	7.72A	7.80A	7.88A
Maximum Power Voltage	30.00V	30.30V	30.60V	30.90V	30.20V
Maximum Power Current	7.00A	7.05A	7.11A	7.16A	7.21A
Module Efficiency	12.4%	12.7%	13.0%	13.1%	13.3%

* Under Nominal Module Operating Temperature (NMOT), irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.

TEMPERATURE CHARACTERISTICS

NMOT	41±3°C	Temp Coefficient of ISC	+0.055%/°C
Temp Coefficient of VOC	-0.32%/°C	Temp Coefficient of Pmax	-0.41%/°C

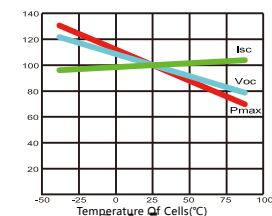
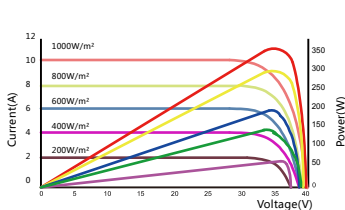
PACKING CONFIGURATION

Modules/Pallet	31 Pieces	Modules/40'Container	897 Pieces
Packing Description	26 Pallets, Total=(31+31+7)×13=897 Pieces		

CHARACTERISTICS

LP156*156-P-60-H-280W

LP156*156-P-60-H-280W



MAXIMUM RATING

Output Tolerance	0~+5W
Operating Temperature	-40°C~+85°C
Wind Load/Snow Load	2400pa/5400pa
Fuse Current	15A



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