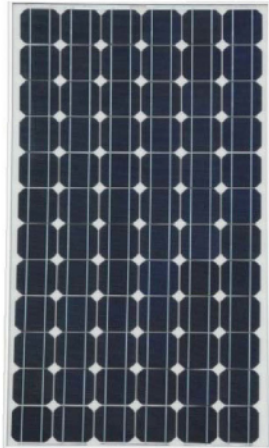


Solar Module

272Wp Monocrystalline silicon photovoltaic module

PPV-272S6



1. Electrical insulation test.
2. Outdoor exposure test.
3. Hot-spot endurance test.
4. UV-exposure test
5. Thermal cycling.
6. Humidity freeze.
7. Damp heat test.
8. Robustness of terminations test.
9. Wet leakage current test.
10. Mechanical load test.
11. Hail impact test.
12. Bypass diode thermal test.

PPV-272S6

ELECTRICAL CHARACTERISTICS

Maximum power (Pmax)	272W
Voltage @ Pmax (Vpm)	35.9V
Current @ Pmax (Ipm)	7.57A
Open circuit voltage (Voc)	43.97V
Short circuit current (Isc)	8.15A
Output tolerance	+/- 3%
Maximum system voltage	1000 Vdc
Series fuse rating	10A
Application	DC 24V system
system Cell	6" Mono-crystalline silicon
No. of cells and connections	72 PCS in series (6 x 12)
Efficiency of module	14 %
Temperature coefficient of Pmax	-0.37 %/°C
Temperature coefficient of Voc	-0.34 %/°C
Temperature coefficient of Isc	+0.09 %/°C

* Measured at STC (Standard Test Condition; 1000W/m² irradiance, AM 1.5G and 25°C)

ABSOLUTE MAXIMUM RATINGS

Operating temperature	-40 to +85°C
Storage temperature	-40 to +85°C

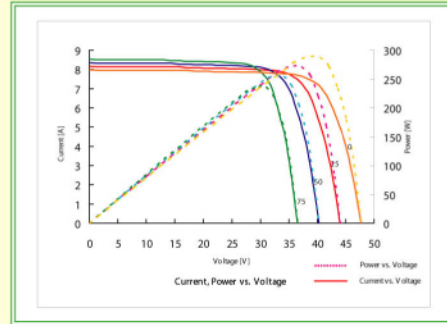
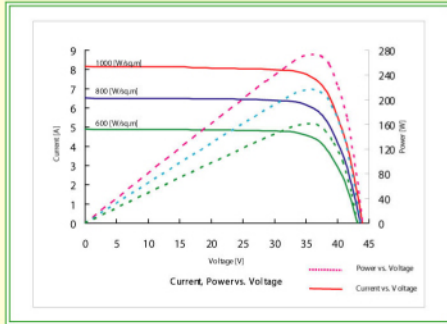
MECHANICAL CHARACTERISTICS

Dimension (WxLxH)	1947 x 995 x 50 mm
Weight	Approx. 24Kg
Packing configuration	Horizontal
Size of carton	2005 x 1071 x 955 mm
Pallet quantity	18 PCS / Pallet
Loading capacity (20 ft. container)	10 Pallet
Loading capacity (40 ft. container)	22 Pallet
Construction	Front: high transmission low-iron tempered glass, 3.2mm Back: PVF/PET/PVF Encapsulates: EVA
Junction box	IP65, weatherproof
Bypass diodes	3 diodes to avoid power decreasing by shade
Output cable	4mm ² cable with polarized weatherproof connectors Negative 900mm, Positive 900mm
Frame	Clear anodized aluminum, AL6063-T5

272Wp Monocrystalline silicon photovoltaic module

PPV-272S6

I-V CURVES



QUALITY

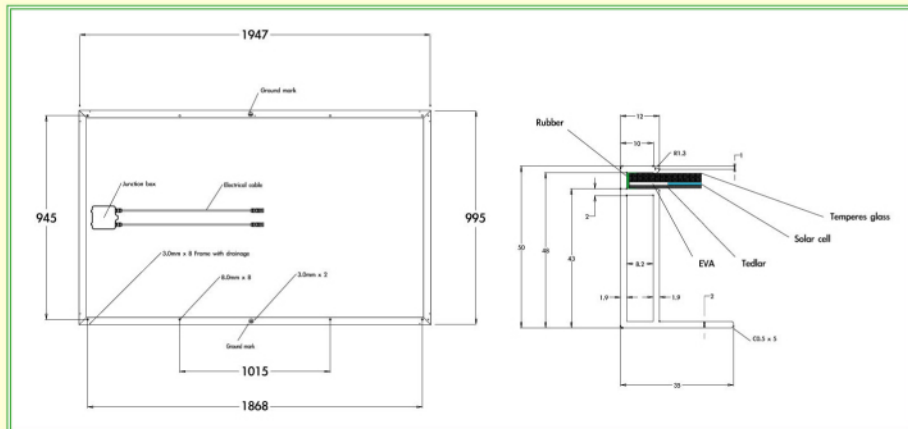
ISO 9001:2000 certified; TÜV certified.
IEC 61215 and Safety Class II standards are in progress by TÜV.
Warranty: 10 years limited warranty of 90% power output and 25 years limited warranty of 80% power output.

INSTALL AND SAFETY GUIDE

DO NOT damage or scratch the rear surface of the module
DO NOT handle or install modules when they are wet.
ONLY qualified personnel should install or perform maintenance.
BE AWARE of dangerous high DC voltage.



MODULE DIMENSIONS



** This document summarizes product specifications which are subject to change without prior notice.