



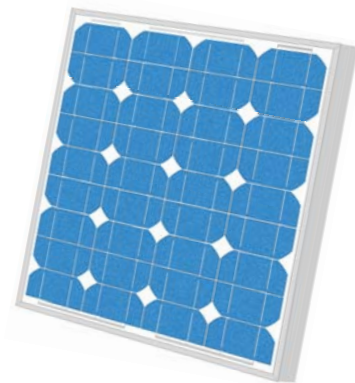
Monocrystalline Module Models

GP045MA GP040MA GP035MA

Electrical Specifications

*STC : Irradiance 1000W/m², AM1.5 spectrum, module temperature 25°C

Model type	GP045MA	GP040MA	GP035MA
Peak power (Pmax)	45W	40W	35W
Cell Efficiency	16.83%	14.96%	13.09%
Maximum power voltage (Vmp)	18.54V	18.14V	17.56V
Maximum power current (Imp)	2.43A	2.21A	2.00A
Open circuit voltage (Voc)	22.14V	21.74V	21.16V
Short circuit current (Isc)	2.73A	2.48A	2.2A
Power Tolerance		±5%	
Maximum system voltage		800V	
Number of bypass diode		0	



Module Diagram

Temperature Coefficients

Current Temperature Coefficient	$\alpha(I_{sc})$	0.03%/°C
Voltage Temperature Coefficient	$\beta(V_{oc})$	- 0.32%/°C
Power Temperature Coefficient	$\gamma(P_{max})$	-0.42%/°C

Mechanical Characteristics

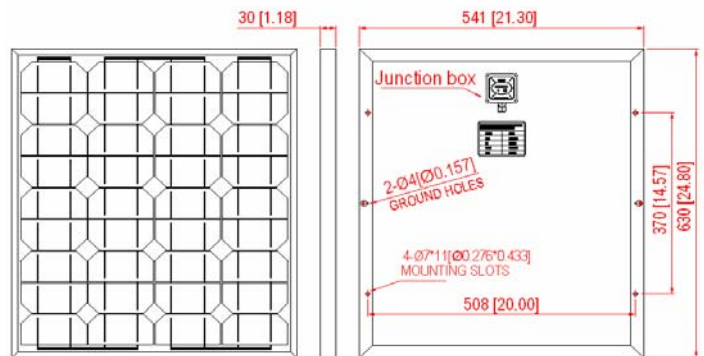
Dimensions : 630 x 541 x 30mm
(24.8x21.3x1.181 inch)

Weight: 4.1kg (9.02 lbs)

Solar Cells: 36 cells in series(4x 9)

Construction: High-transmission low-iron tempered glass , EVA, TPT

Frame: Anodized aluminum is mainly for improving corrosion resistance. Color: silver



Output(Optional)

Cable

Lengths

Connector

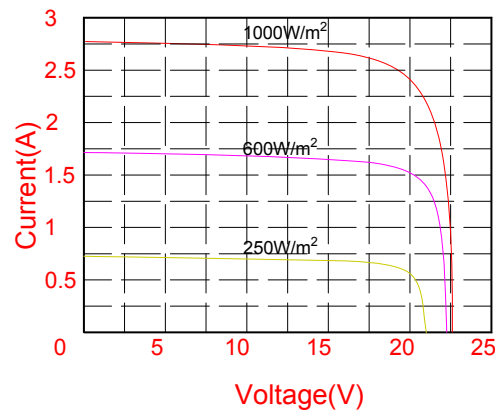
Module Warranty:

25-year limited warranty of 80% power output;

10-year limited warranty of 90% power output;

5-year limited warranty of materials and workmanship.

Electrical Performance



Note: This publication summarizes product warranty and Specifications which are subject to change without notice