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Solar Panel Guide Specification Data Sheet

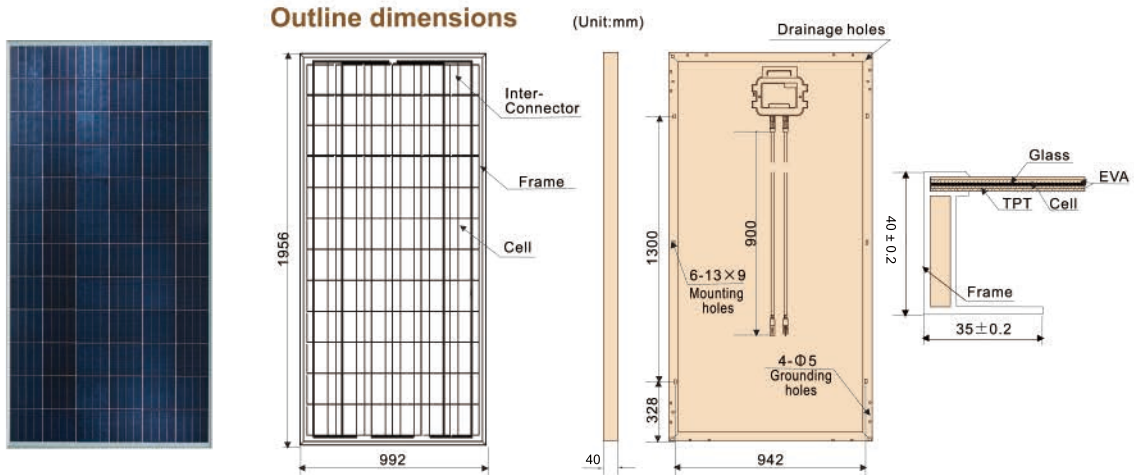
Himin Clean Energy Holdings Co., Ltd.

HG 325-350P

HG-350P

Also available on the web at
EnergyPal.com/himin-clean-energy-holdings-co-ltd-solar-panels/hg-350p

Module power with 325-350w



Specifications

Cell	Polycrystalline silicon solar cells 156mm square
Number of cells and connections	72 in series
Application	DC 24V system
Maximum system voltage(V)	DC 1,000
Series fuse rating(A)	15
Nominal power(W)	325-350
Dimension(mm)	1956 × 992 × 40
Weight(Kg)	22 ± 3%
Type of output terminal	Lead wire with connectors
Junction box	3 bypass diodes

Electro-optical characteristics

Parameters	Symbol	HG-325P	HG-330P	HG-335P	HG-340P	HG-345P	HG-350P
Open circuit voltage	V _{oc}	46.5V	46.8V	47.1V	47.3V	47.5V	47.7V
Maximum power voltage	V _{mp}	38.8V	38.9V	38.9V	39.0V	39.2V	39.4V
Short circuit current	I _{sc}	8.96A	9.04A	9.12A	9.21A	9.30A	9.39A
Maximum power current	I _{mp}	8.38A	8.49A	8.62A	8.72A	8.80A	8.88A
Maximum power	P _m	325W	330W	335W	340W	345W	350W
Module efficiency	η	16.70%	17.0%	17.30%	17.50%	17.80%	18.0%
Power output tolerance		0 ~ +3%	0 ~ +3%	0 ~ +3%	0 ~ +3%	0 ~ +3%	0 ~ +3%

Packaging specifications

Number of modules per pallet	56
Number of pallets per 40' container	11
Packaging box dimensions(L / W / H)(mm)	2000×1110×2500
Box weight(Kg)	1290

Temperature coefficients

Parameters	Rating
Operating temperature	-40 to + 85 °C
Storage temperature	-40 to + 85 °C
αP _m	-0.461%/K
αI _{sc}	+0.072%/K
αV _{oc}	-0.335%/K
NOCT	46 ± 2/ °C

Mechanical specifications

Cable	Solar cable, 900mm length, 4mm ² prefabricated with plugs (male/female)
Front glass	Transparent toughened safety glass 3.2mm
Cell encapsulation	EVA(Ethylene-Vinyl-Acetate), 0.5mm
Backside	Composite film
Frame	Anodised aluminium cavity frame
Maximum surface load	(Screwless) with drainage holes. Entire module certified to withstand high wind loads(2400Pa), snow loads(5400Pa)
Hail resistance	Maximum diameter of 25mm with impact speed 83km/h