



SOLAR ENERGY PRODUCT

Zhejiang Ganghang Solar Technology Co.,Ltd.

GH 36PCS POLY SERIES 670X540X30MM

Electrical parameters

Electrical parameters at STC(1,000W/m²), 25°C, AM 1.5 according to EN 60904-3

Module type	[P]	GH50P36	GH45P36	GH40P36
Power output	[W]	50	45	40
Power output tolerances	[%]	±3	±3	±3
Module efficiency	[%]	16.0	15.5	15.0
Voltage at Pmax, Vmpp	[V]	18.00	18.00	18.00
Current at Pmax, Impp	[A]	2.78	2.50	2.22
Open circuit voltage Voc	[V]	20.88	20.88	20.88
Short circuit current Isc	[A]	2.97	2.81	2.38

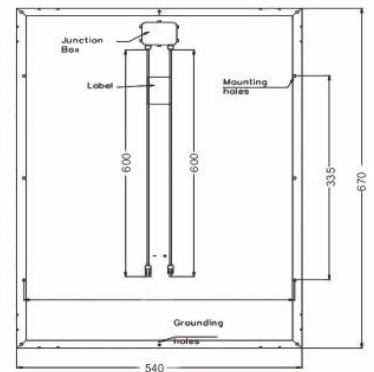


Parameters of thermal characteristics

NOCT(Nominal Operating Cell Temperatures)	[°C]	46 ± 2
Temperature coefficient beta of Isc	[1/k]	+0.0006
Temperature coefficient alpha of Voc	[1/k]	-0.0037
Temperature coefficient gamma of Pmpp	[1/k]	-0.0045

Mechanical parameters

Dimensions(mm)	670*540*30
Weight(kg)	4.5
Cell type(quantity/technology)	36/polycrystalline/156x52
Encapsulation materials	Ethylene Vinyl Acetate(EVA)
Frame	Robust anodized aluminum alloy



Working conditions

Maximum system voltage	DC 1000V(TUV)/600V(UL)
Operating temperature	-40°C~+85°C
Maximum series fuse	15A
Max. wind load/Max. snow load	2400Pa/5400Pa
Grounding conductivity	< 0.1
Insulation resistance	≥ 100M
Application class	Class A

