

iT36PCS POLY SERIES

1470X670X35MM

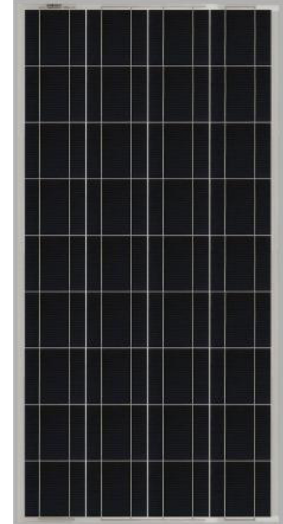
iT 120P-36

Polycrystalline 36 cells 120watt

Electrical parameters

Electrical parameters at STC(1.000W/m²), 25°C, AM 1.5 according to EN 60904-3

Module type	[P]	iT120P36
Power output	[W]	120
Power output tolerances	[%]	±3
Module efficiency	[%]	16.0
Voltage at Pmax, Vmpp	[V]	17.8
Current at Pmax, Impp	[A]	6.85
Open circuit voltage Voc	[V]	21.60
Short circuit current Isc	[A]	8.40

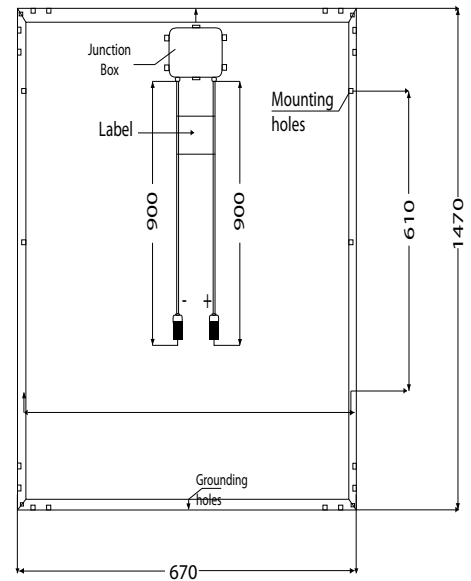


Parameters of thermal characteristics

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)	1470*670*35
Weight(kg)	11.5
Cell type(quantity/technology)	36/polycrystalline/156x104mm
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

