

iT36PCS MONO SERIES 1200X540X30MM

iT 100M-36

Monocrystalline 36 cells 100watt

Electrical parameters

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

Module type	[P]	iT100M36
Power output	[W]	100
Power output tolerances	[%]	±3
Module efficiency	[%]	14.5
Voltage at Pmax, Vmpp	[V]	18.05
Current at Pmax, Impp	[A]	5.55
Open circuit voltage Voc	[V]	21.40
Short circuit current Isc	[A]	5.81

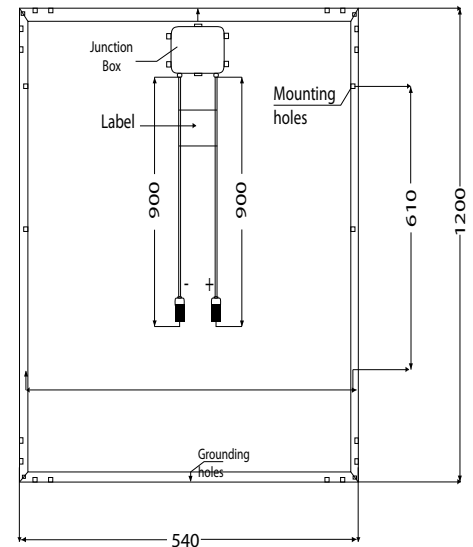


Parameters of thermal characteristics

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)	1200*540*30
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

