

Electrical parameters

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

Module type	[P]	iT300P72
Power output	[W]	300
Power output tolerances	[%]	±3
Module efficiency	[%]	16.0
Voltage at Pmax, Vmpp	[V]	36.80
Current at Pmax, Impp	[A]	8.15
Open circuit voltage Voc	[V]	45.00
Short circuit current Isc	[A]	8.64

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)	1956*992*45
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

iT 300P-72

Polycrystalline 72 cells 300watt

