

VT 36PCS POLY Series 1480X670X35MM

Electrical parameters

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

Module type	[P]	VT160P36	VT150P36	VT140P36	VT130P36
Power output	[W]	160	150	140	130
Power output tolerances	[%]	±3	±3	±3	±3
Module efficiency	[%]	16.0	15.5	15.0	14.5
Voltage at Pmax,Vmpp	[V]	18.4	18.2	18.0	17.2
Current at Pmax,Impp	[A]	8.70	8.35	7.80	7.56
Open circuit voltage Voc	[V]	22.40	21.90	21.60	21.30
Short circuit current Isc	[A]	9.13	8.85	8.67	8.50

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)	1,480*670*35
Weight(kg)	12.5
Cell type(quantity/technology)	36/polycrystalline/156x156
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

