

VT 36PCS MONO Series 1200X540X30MM

Electrical parameters

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

Module type	[M]	VT100M36	VT90M36	VT85M36	VT80M36
Power output	[W]	100	90	85	80
Power output tolerances	[%]	±3	±3	±3	±3
Module efficiency	[%]	14.5	14.0	13.5	13.0
Voltage at Pmax,Vmpp	[V]	18.0	18.0	17.2	17.2
Current at Pmax,Impp	[A]	5.55	5.10	5.00	4.80
Open circuit voltage Voc	[V]	22.60	22.60	22.60	21.60
Short circuit current Isc	[A]	5.95	5.45	5.35	5.25

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)	1,200*540*30
Weight(kg)	7.5
Cell type(quantity/technology)	36/monocrystalline/125x125
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

