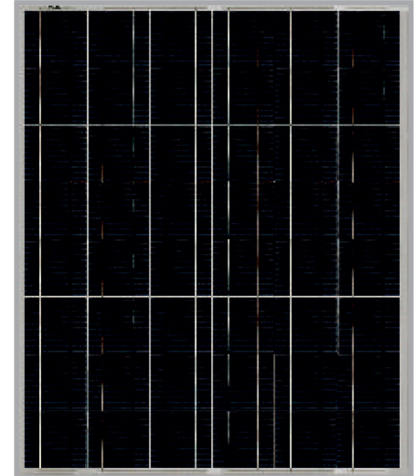


VT 48PCS POLY Series 1320X992X35MM

Electrical parameters

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

Module type	[P]	VT220P48	VT210P48	VT200P48	VT190P48
Power output	[W]	220	210	200	190
Power output tolerances	[%]	±3	±3	±3	±3
Module efficiency	[%]	16.8	16.0	15.3	14.5
Voltage at Pmax, Vmpp	[V]	24.6	24.4	24.2	24.0
Current at Pmax, Impp	[A]	8.94	8.61	8.27	7.92
Open circuit voltage Voc	[V]	28.5	28.3	28.1	27.8
Short circuit current Isc	[A]	9.39	9.04	8.68	8.31

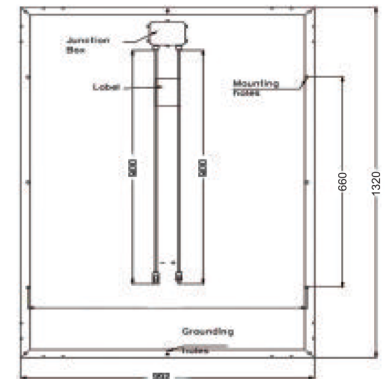


Parameters of thermal characteristics

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)	1,320*992*35
Weight(kg)	15.0
Cell type(quantity/technology)	48/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

