



PWM-135W/M5X-135
 PWM-140W/M5X-140
 PWM-145W/M5X-145

Electrical Data

MONO-125mm Solar cells	PWM-135W	PWM-140W	PWM-145W
Nominal peak power [Pmax]	135Wp	140Wp	145Wp
Maximum power voltage [Vmp]	27.0V	27.4V	27.8V
Maximum power current [Imp]	5.0A	5.10A	5.22A
Short-circuit current [Isc]	5.33A	5.43A	5.52A
Open-circuit voltage [Voc]	33.48V	33.8V	34.3V
Optimized cell efficiency [η]	16.8%	17.4%	18.0%

Power Tolerance: ±3%

Limits

Operating temperature	-40°C to +85°C
Maximum system voltage	1000VDC

Temperature and Coefficients

NOCT	48°C±2°C	
Current temperature coefficient	%/°C	0.05
Voltage temperature coefficient	%/°C	-0.33
Power temperature coefficient	%/°C	-0.34

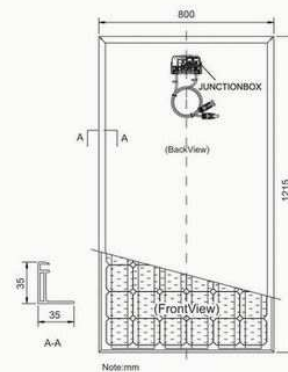
NOCT:Nominal Operation Cell Temperature

Additional Data

Number of cells and type of connection	54,serial connection	
Dimensions	Length: 1215 mm Width: 800 mm Height: 35 mm	
Net Weight	11.0 kgs/pc	
Gross Weight	338kgs/ctn(28pcs/ctn) 24.8kgs/ctn(2pcs/ctn)	
Package Dimension	1270x1140x948mm 1233x830x88mm	
Container Loading	1116PCS/40'GP	62PCS/PALLET
	496PCS/20'GP	62PCS/PALLET

STC: Irradiance of 1000W /m², Air Mass of 1.5, Cell Temperature of 25°C

Guaranteed Power Output	15 years: 90% of its nominal power rating
Warranted Tolerance : ±5%	25 years: 80% of its nominal power rating
Impact Resistance	Can bear the force that is generated by one 227g steel ball fall down from 1m height
Warranty Period	10 years: Materials and workmanship defects
Certificates	CE,ISO,IEC61215&61730(TUV),UL1703/CSA,MCS
Cells	Monocrystalline silicon photovoltaic cell



Note:mm

Characteristics

Module Graph 145W

