

PWM-18W

PWM-20W

Electrical Data

MONO	PWM-18W	PWM-20W
Nominal peak power [Pmax] ±3%	18Wp	20Wp
Maximum power voltage [Vmp]	18V	18V
Maximum power current [Imp]	1.0A	1.11A
Short-circuit current [Isc]	1.09A	1.21A
Open-circuit voltage [Voc]	22.3V	22.5V
Optimized cell efficiency [η]	13.5%	15.0%

Limits

Operating temperature	-40°C to +85°C
Maximum system voltage	715VDC

Temperature and Coefficients

NOCT	48°C±2°C	
Current temperature coefficient	%/K	0.06±0.01
Voltage temperature coefficient	mV/K	-(78±10)
Power temperature coefficient	%/K	-(0.5±0.05)

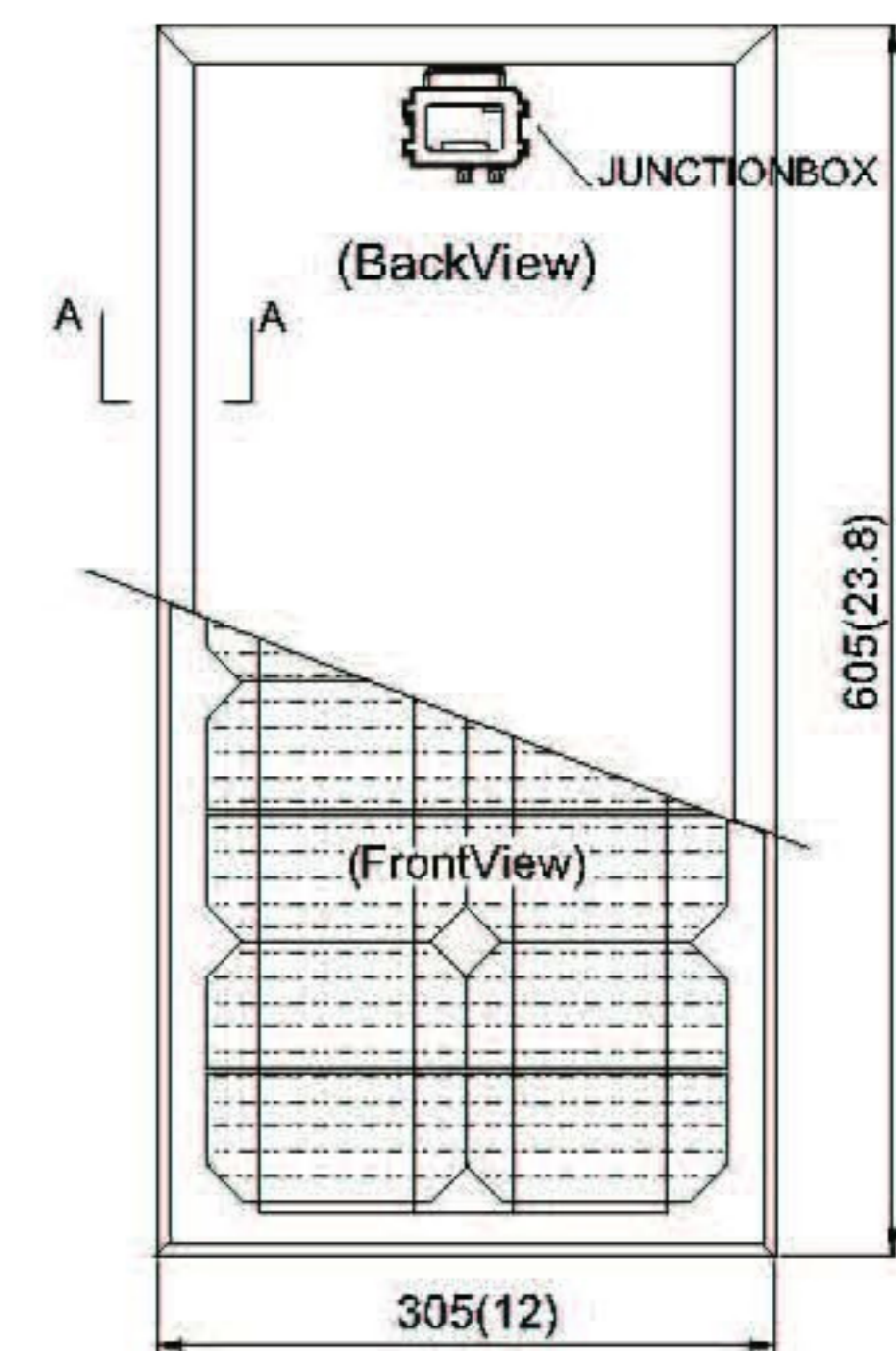
NOCT: Nominal Operation Cell Temperature

Additional Data

Number of cells and type of connection	9, serial connection
Dimensions	Length: 630 mm Width: 290 mm Height: 25 mm
Weight	3 kg
Container Loading	5508PCS/40'HQ 4896PCS/40'GP 2304PCS/20'GP

[Standard Conditions: Irradiation 1000W/m²; Module temperature 25°C]

Guaranteed Power Output	15year:90% of its nominal power rating 25year:80% of its nominal power rating
Warranty Period	Replacement for manufacturing defects within 5 years
Certificates	CE,ISO,IEC61215 & 61730-2 (TUV), UL1703/CSA
Cells	xql; Monocrystalline silicon photovoltaic cell



Note:mm[inch]

Characteristics

Module Graph 20W

