

MONO 120W SOLAR PANEL



7440 S. International Drive
Columbus, IN 47201
(888) 323-2240
info@nusunsolar.com
www.nusunsolar.com

Electrical Data

MONO-6" solar cells	120W
Nominal peak power(Pmax)	120Wp
Maximum power voltage(Vmp)	16.5V
Maximum power current(Imp)	7.28A
Short-circuit current(Isc)	7.88A
Open circuit voltage(Voc)	21.9V
Optimized cell efficiency(η)	14.80%

Power tolerance: 0~+3%

Limits

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

Temperature and Coefficients

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

NOCT:Nominal Operation Cell Temperature

Additional Data

Number of cells and type of connection	36,serial connection
Dimensions	Length:1484mm Width:665mm Height:35mm
Net weight	11kgs/pc
Gross weight	58kgs/ctn(5pcs/ctn)
Package dimension	1502x691x232mm

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

Guaranteed Power Output	15 year:90% of its nominal power rating
Warranted Tolerance: ±5%	25 year: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
Cells	Monocrystalline silicon photovoltaic cell

