



# Mono-Crystalline Silicon PV Module

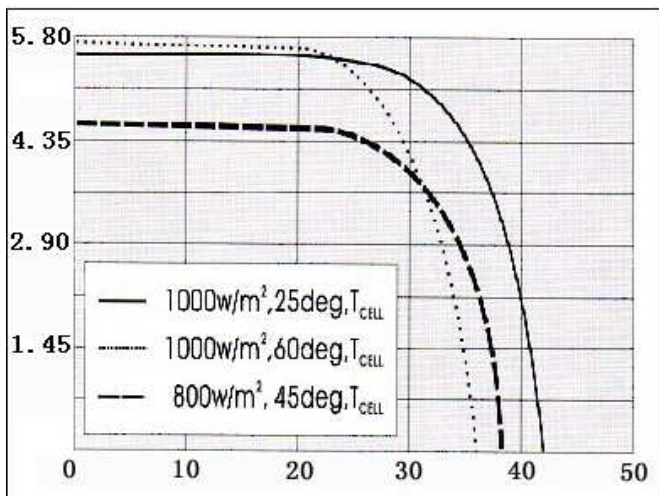
## MONO-185W

Specification		
Maximum Power	185W	Wp
Optimum operating voltage	36.3	V
Optimum operating current	5.1	A
Open circuit voltage	44.3	V
Short circuit current	5.43	A
Maximum system voltage	1000	V DC
Module efficiency	14.5	%
Voltage temperature coefficient	-155±10	mV/°C
Current temperature coefficient	+0.06±0.01	%/°C
Power temperature coefficient	-0.5±0.05	%/°C
Power Tolerance	±5	%

Cell Information		
Cell brand		
Cell type	monocrystalline silicon solar cell	
Cell dimension	125×125	mm
Cell Shape	Square	
Number of cell	72	series
Efficiency of cell	17.3	%

STC		
AM condition	AM1.5	
Intensity of illumination	1000	W/m <sup>2</sup>
Temperature	25	°C

### I-V Curve



Laminating data			
Dimension	Length(mm)	1580	mm
	Width(mm)	808	mm
	Thickness(mm)	35	mm
Installation dimension	Length(mm)	NA	mm
	Width(mm)	NA	mm
Weight		15.6	Kg
Frame Material	Clear anodized aluminium frame		
Surface glass	Toughed solar glass		
Thickness of glass	3.2	mm	
Laminating material	EVA		
Backsheet material	TPT		
Junction box	with TUV certificate		

Packing&Transportaion Information		
Packing	2	pcs/carton
Dimension of carton	1620*850*85	mm
Weight of carton	3	Kg
Loading for 20"(GP) container	312pcs	4.8672 T
Loading for 40"(GP) container	728pcs	11.3568 T

Maximum data		
Operating temperature	-40°C ~ +85°C	°C
Storage temperature	-40°C ~ +85°C	°C
Instulation cut voltage	1000	DC
Maximum wind resistance	60m/s	N/m <sup>2</sup> or max Km/h
Surface maximum load capacity	200	Kg/m <sup>2</sup>
Maximum hail load capacity	25mm	80km/h

### Blueprint with dimension

