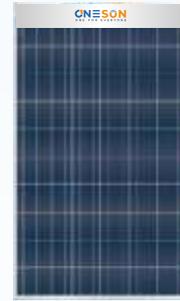




**MODULE**  
**200W-220W**



**MODULE**  
**160W**



**MODULE**  
**100W-110W**

MECHANICAL DATA	MODULE : 200-220W	MODULE : 160W	MODULE : 100W-110W
Cell Type	: 104mm x 156.75mm	78.37mm x 156.75mm	104/52mm x 156.75mm
Cell Arrangement	: 72 Cells in series	72 Cells in series	36/72 Cells in series
Dimensions	: 1335x990x35mm 1490x670x351 mm	1010x665x30mm	
Weight	: 13.50kg	12kg	7.8kg
Front Cover	: 3.2 mm tempered glass	3.2 mm tempered glass	3.2 mm tempered glass
Frame Material	: Anodized Aluminium Alloy	Anodized Aluminium Alloy	Anodized Aluminium Alloy
J-Box	: IP68, 3 diodes	IP67, 2 diodes	IP67, 2 diodes
Cable	: 4mm <sup>2</sup>	4mm <sup>2</sup>	

## ELECTRICAL SPECIFICATION

Electrical parameters at standard test conditions (STC: AM=1.5, 1000W/m<sup>2</sup>, Cells Temperature 25°C)

Model Type	SNS-220	SNS-200	SNS-160	SNS-110	SNS-100
Nominal Max. Power (P <sub>max</sub> )	: 220W	200W	160W	110W	100W
Optimum Operating voltage (V <sub>mp</sub> )	: 19.35V	19.04V	19.35V	19.00V	18.95V
Optimum Operating Current (I <sub>mp</sub> )	: 11.37A	10.09A	8.46A	5.69A	5.29A
Open Circuit Voltage (V <sub>oc</sub> )	: 23.69V	23.39V	23.01V	22.97V	22.68V
Short Circuit Current (I <sub>sc</sub> )	: 11.97A	11.06A	8.84A	5.99A	5.53A
Module Efficiency (%)	: 16.52	15.02	15.83	15.91	14.46
Power Tolerance	:		0 to +6W		
Maximum System Voltage	:		DC 1000V		
Operating Temperature	:		-40C - +85C		
Maximum Series Fuse Rating	: 20A	20A	10A	10A	10A
Number of Bypass Diode	: 3	3	2	2	2