

Phaesun Solar module PN SPR S**85S**

Phaesun's 85W (small) monocrystalline modules has multiple advantages. These modules are made with back-contact monocrystalline solar cells which are aesthetically please in appearance. The cells have a unique structure, different from conventional cells, they yield average conversion efficiencies up to 20%.

Performance features:

- Photovoltaic modules made with unique back connected cells
- Cells with high conversion efficiency up to 20%
- Black modules available on request
- Manufactured in ISO9001 certified factory
- Also avaliable in various frame colours
- Design to charge 12 to 48 V batteries for off-grid remote systems
- Made with high quality materials which qualifies high reliability of modules

Technical Data	PN SPR S85S
Electrical Parameters	
Max Power (Pm)	85 W
Voltage at Max Power (Vmp)	16,8 V
Current at Max Power (Imp)	5,06 A
Open Circuit Voltage (Voc)	20,3 V
Short Circuit Current(Isc)	5,67 A
Cell Efficiency	18.9%
Module Efficiency	15,7%
Max Power Tolerance	±5%
Nominal Operating Cell Temp.	46°C ±2
Max System Voltage	70V
Mechanical Parameters	
Cells Type & No.	30 Mono. BackContact
Frame	>15µm clear anodized
Junction Box	AM-1103-2
Cables	12AWG 1000mm
Dimensions	1302 x 416 x 35 mm
Weight	7,15 kg (15,67 lbs)
Temperature Coefficients	
Power	-0.38%/°C
Voltage	-57 mV/°C
Current	3,5 mA/°C



