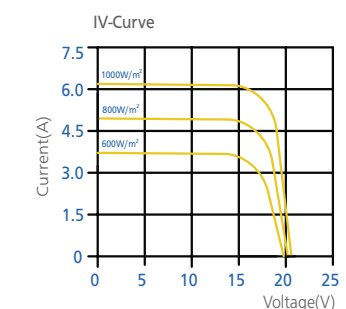
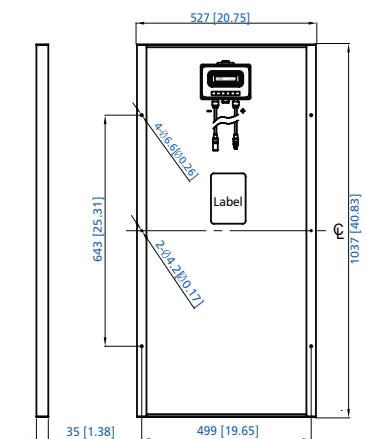
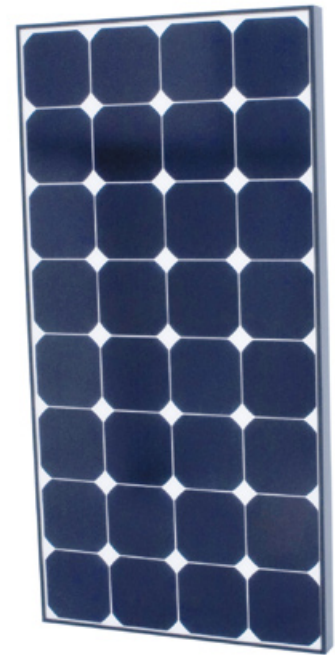


# Phaesun Solar module PN SPR S100

Phaesun's 100W monocrystalline modules have multiple advantages. These modules are made of back-contact monocrystalline solar cells which are aesthetically pleasing 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 available in various frame colours
- Designed to charge 12 to 48 V batteries for off-grid remote systems
- Made of high quality materials which ensures a high reliability of the modules



Note: all electrical parameters are rated at standard test conditions (irradiance of 1000W/m<sup>2</sup>, AM 1.5G, cell temp. 77°F/25°C)

Technical Data		PN SPR S100
<b>Electrical Parameters</b>		
Max Power (P <sub>m</sub> )		100W
Voltage at Max Power (V <sub>mp</sub> )		18.0V
Current at Max Power (I <sub>mp</sub> )		5.56A
Open Circuit Voltage (V <sub>oc</sub> )		21.6V
Short Circuit Current(I <sub>sc</sub> )		6.06A
Cell Efficiency		21.4%
Module Efficiency		18.3%
Max Power Tolerance		-5/+10%
Nominal Operating Cell Temp.		46°C ±2
Max System Voltage		70V
<b>Mechanical Parameters</b>		
Cells Type & No.		32 Mono. BackContact
Frame		>15µm clear anodized
Junction Box		Cixi Renhe/PV-RH0502 (IP65)
Connector		Cixi Renhe
Cables		Cixi Renhe 12AWG 900mm (35.4in)
Dimensions		1037 x 527 x 35 mm
Weight		7.4kg (16.3 lbs)
<b>Temperature Coefficients</b>		
Power		-0.38%/°C
Voltage		-60.8mV/°C
Current		3.5mA/°C