



SURTEC
Les spécialistes
de l'autonomie énergétique



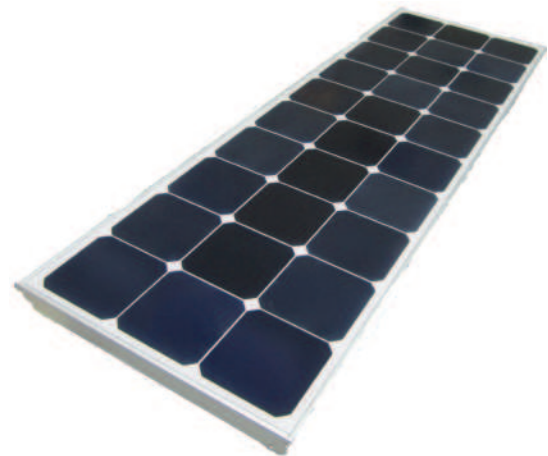
JIawei EUROPE
SOLAR ENERGY SYSTEMS

JW-S85

85W Monocrystalline Photovoltaic Module

High Efficiency Back-Contact Solar Modules

Jiawei's 85W 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%.



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 and ISO14001 certified factory
- Also available 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

Applications



Telecommunication



Water pumping for various agriculture



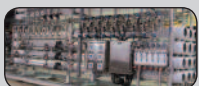
Aquaculture applications



Cathodic protection



Lighting systems for emergency use and railroad



Desalination systems



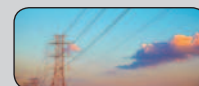
Electricity for remote villages



Security cameras



Remote sensors



Telemetry equipment



JW-S85

Electrical Parameters

Max Power (Pm)	85W
Voltage at Max Power (Vmp)	16.6V
Current at Max Power (Imp)	5.12A
Open Circuit Voltage (Voc)	20.1V
Short Circuit Current (Isc)	5.53A
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	JW-F35285A/F35085B
Junction Box	PV-RH0502B-2
Connector	Cixi Renhe
Dimensions	1302 x 416 x 35mm (21.26 x 16.38 x 1.38 in)
Weight	7.15kg(15.76lbs)

Temperature Coefficients

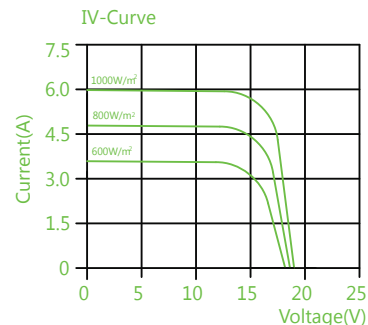
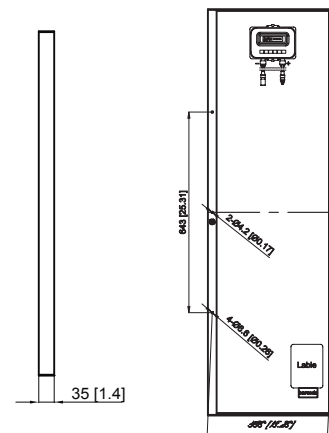
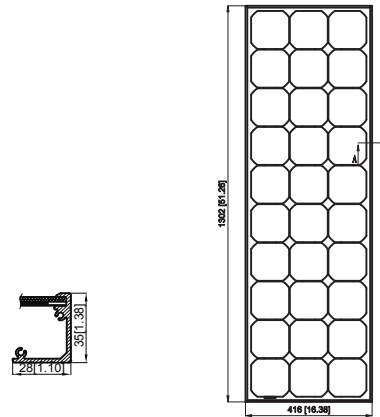
Power	-0.38%/°C
Voltage	-57mV/°C
Current	3.5mA/°C

Warranties & Certifications

Warranties: 2 years product
10 years limited power warranty of 90% of the minimum specified power rating
Certifications: CE



Diagram



We Harvest **The Sun** for your future