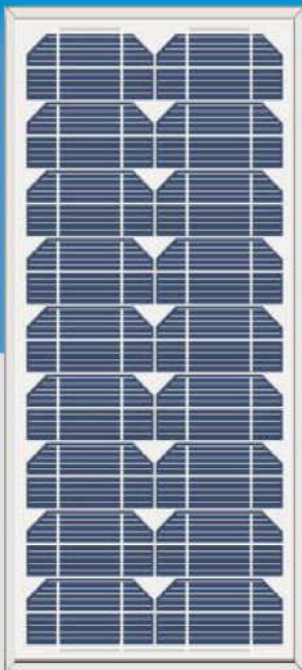


TO POWER OUR FUTURE

STP020S-12/Cb

Monocrystalline Silicon Solar Module

- 
- Suntech Power Modules are internationally regarded as a quality symbol from a well valued brand
 - Suntech Power Modules are the difference on customers' roofs
Only Suntech Power Modules combine more power per square-meter with more energy per Watt-peak
Thus, Suntech Power Modules overbid your investment
 - Suntech Power Solar Cells Features
 - Top solar cell conversion efficiency
 - Entrapping light through advanced textured solar cells in monocrystalline technology
 - SiN-film deposition on the front surface for uniform dark appearance
 - Outstanding energy output in low light conditions through high shunt resistance
 - Densely screen-printed grid
 - Suntech Power Solar Modules Features
 - 36 high-efficiency Suntech Power Silicon Solar Cells
 - More power in peak hours through Suntech Power Cells
 - Optimized module performance with Nominal Voltage 12 V DC
 - Bypass diodes to avoid hot-spot effect
 - Cells are embedded in a sheet of TPT and EVA
 - 3.2 mm high transmissive low-iron, tempered glass
 - Unique esthetic appearance of cells
 - Attractive, stable, heavy duty anodized aluminum frames with convenient mounting-access, for high wind-pressure and snow-load
 - The backside frames are equipped with drainage holes. So we eliminate the risk that rain or snow water may accumulate in the frame lumen and freeze or even bend the frame in cold season
 - Pre-cabled with fast-connecting systems
 - Customer-desired packing
 - 25 years Limited Power Warranty
 - Certifications: IEC 61215, TÜV class II, CE, ISO 9001:2000
 - Suntech Power Module Applications
 - Designed for grid-connected power plants up to 1000V DC
 - Ideal also for use in large stand-alone systems for battery charging or water pumping

Specifications

Cell	Monocrystalline silicon solar cells 125mm×31.25mm
No. of cells and connections	36 (2×18)
Dimension of module(mm)	656×306×18
Weight	2.5 kg

Limits

Operating temperature	-40 to +85 °C
Maximum system voltage	1000 V DC

Characteristics

Model	STP020S-12/Cb
Open circuit voltage (Voc)	21.4V
Optimum operating voltage(Vmp)	16.8 V
Short circuit current(Isc)	1.21A
Optimum operating current(Imp)	1.19A
Maximum power at STC(Pm)	20Wp

STC: Irradiance 1000W/m², Module temperature 25°C, AM=1.5

Temperature and Coefficients

NOCT		48°C ± 2°C	
Current	temperature coefficient	%/K	0.06 ± 0.01
Voltage	temperature coefficient	mV/K	-(155 ± 10)
Power	temperature coefficient	%/K	-(0.5 ± 0.05)

NOCT: Nominal Operation Cell Temperature

Output

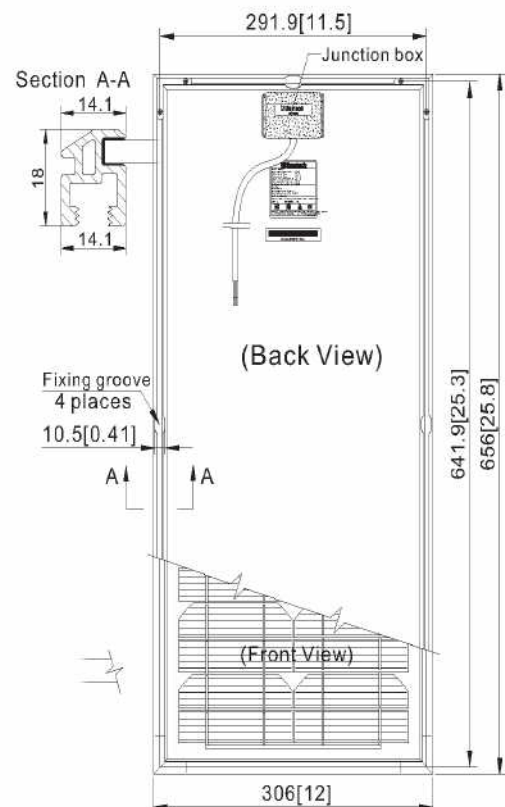
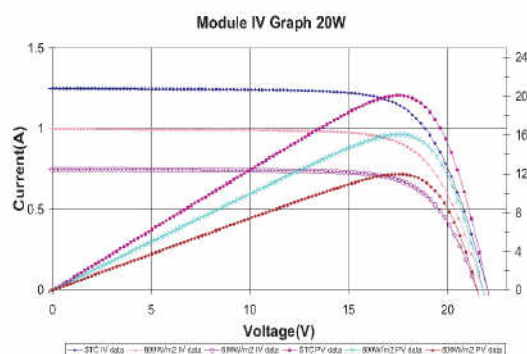
Type of output terminal	Junction box
Cable	
a	
Connection	Suntech Plug Type IV

Certifications

IEC61215	..
ISO9001:2000	CE

Blueprint of the module

Characteristics



Note: mm[inch]

Available From



38150 River Frontage Rd.
New Castle CO.
970-984-3750
solarpanelstore.com

