

HQST - 100D-XS

100W Monocrystalline Solar Panel



Key Features

- Top Ranked PTC Rating
- High Module Conversion Efficiency
- Fast and Inexpensive Mounting
- Maximizes System output by reducing mismatch loss
- 100% EL testing on all HQST Solar Modules, Guaranteed no Hot Spots

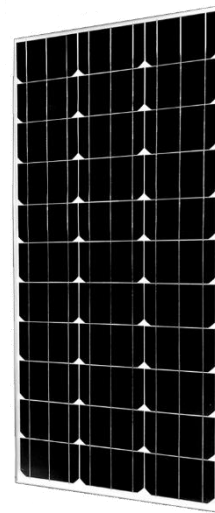
Electrical Characteristics

Maximum Power at STC (Pmax)	100 W
Optimum Operating Voltage (Vmp)	16 V
Optimum Operating Current (Imp)	6.25 A
Open Circuit Voltage (Voc)	20 V
Short Circuit Current (Isc)	6.45 A
Maximum System Voltage	600 VDC
Maximum Series Fuse Rating	15 A

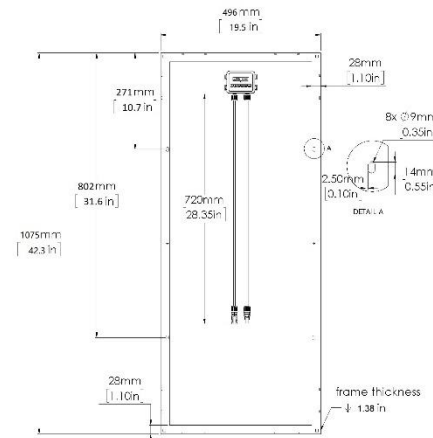
STC: Irradiance 1000W/m², Temperature 25°C, AM =1

Mechanical Properties

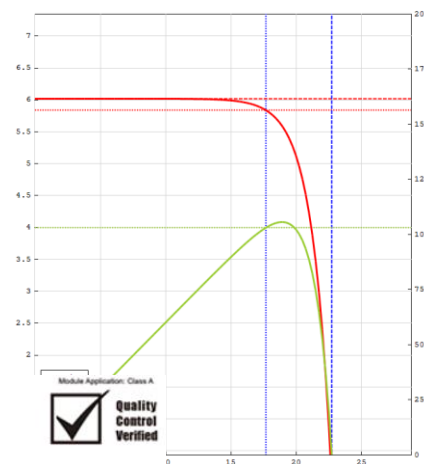
Solar Cell	Monocrystalline (6.1x4 in)
# of Cells	33 (3 x 11)
Dimensions	1075 x 496 x 30 mm (42.3 x 19.5 x 1.18 in)
Weight	7.5 kg. (16.5 lbs.)
Front Glass	3.2 mm (0.13 inches) Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP65 Rated
Output Cables	12 AWG
Connectors	MC4 Connectors
Fire Rating	Class C



Module Diagram



IV-Curve



Temperature Characteristics

Operating Module Temperature	-40°C to +80°C
Nominal Operating Cell Temperature (NOCT)	47±2°C
Temperature Coefficient of Pmax	-0.44%/°C
Temperature Coefficient of Voc	-0.30%/°C
Temperature Coefficient of Isc	0.04%/°C



