

HYM-195W Series

MECHANICAL CHARACTERISTICS

Solar Cell	Monocrystalline 125mm×125mm
No. of Cells	72 (6×12)
Dimension	1580mm×808mm×45mm
Weight	15.8 Kg
Front Glass	3.2 mm high transmission tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP67 rated



ELECTRICAL CHARACTERISTICS

STC	HYM195W	HYM190W	HYM185W	HYM180W	HYM175W	HYM170W
Optimum Operation Voltage (Vmp)	36.6V	36.5V	36.2 V	36.0 V	35.8 V	35.6V
Optimum Operation Current (Imp)	5.33A	5.21A	5.11 A	5.0 A	4.9 A	4.8 A
Open-Circuit Voltage (Voc)	45.4V	45.2V	45.0 V	44.8 V	44.7 V	44.4 V
Short-Circuit Current (Isc)	5.69A	5.62A	5.41A	5.29 A	5.23 A	5.15 A
Maximum Power at STC (Pmax)	195Wp	190Wp	185Wp	180Wp	175Wp	170Wp
Module Efficiency	15.3%	14.9%	14.5%	14.1%	13.7%	13.3%
Operating Temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +85 °C			
Maximum System Voltage	1000V DC	1000V DC	1000V DC	1000V DC	1000V DC	1000V DC
Maximum Series Fuse Rating	15 A	15 A	15 A	15 A	15 A	15 A
Power Tolerance	0/+5W	0/+5W	0/+5W	0/+5W	0/+5W	0/+5W

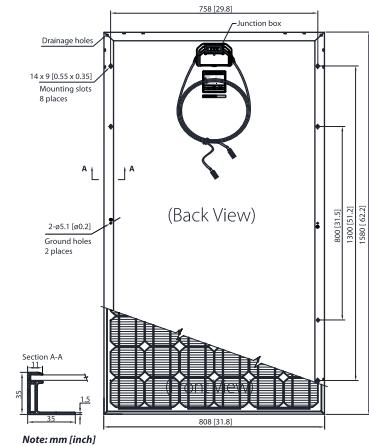
STC: Irradiance 1000 W/m², module temperature 25°C, AM=1.5

Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.48%/°C
Temperature Coefficient of Voc	-0.34%/°C
Temperature Coefficient of Isc	0.037%/°C

Packing Configuration

Container	20' GP	40' GP
Pieces per pallet	26	26
Pallets per container	12	28
Pieces per container	312	728



Current-Voltage & Power-Voltage Curve (190S-24)

