MONOCYSTALLINE 60 CELLS
SOLAR MODULE 300W

LARSON ELECTRONICS®

ELECTRICAL DATA(STC)

Module	SP-290
Peak Power Watts(Pmax/W)	300
Power Output Tolerance(W)	0 ~ +5
Maximum Power Voltage(Vmp/V)	32.2
Maximum Power Current(Imp/A)	9.33
Open Circuit Voltage(Voc/V)	39.5
Short Circuit Current(Isc/A)	9.84
Module efficiency(%)	18.3

STC:Irradiance 1000W/m^2,Cell Temperature 25°C,Air Mass AM1.5.

*Measuring tolerance: ±3%.

ELECTRICAL DATA(NOCT)

Maximum Power(Pmax/W)	219
Maximum Power Voltage(Vmp)	29.5
Maximum Power Current(Imp)	7.43
Open Circuit Voltage(Voc)	36.5
Short Circuit Current(Isc)	7.97

NOCT:Irradiance 800W/m^2,Ambient Temperature 20°C,Wind Speed 1m/s.

MECHANICAL DATA

Solar Cells	Monocrystalline 156.75 × 156.75 mm (6 inches)
Cell Orientation	60 cells (6 × 10)
Module Dimensions	1650 × 992 × 35 mm (65.0 × 39.1 × 1.38 inches)
Weight	18.6 kg (41.0 lb)
Glass	3.2 mm (0.13 inches), High Transmission, AR Coated Tempered Glass
Backsheet	White
Frame	Silver / Black Anodized Aluminium Alloy
Junction Box	IP 67 or IP 68 rated
Cables	4.0mm^2 1000 mm (39.4 inches)
Connector	MC4

TEMPERATURE RATINGS

NOCT (Nominal Operating Cell Temperature)	44°C (±2°C)
Temperature Coefficient of Pmax	- 0.40%/°C
Temperature Coefficient of Voc	- 0.31%/°C
Temperature Coefficient of Isc	+0.06%/°C

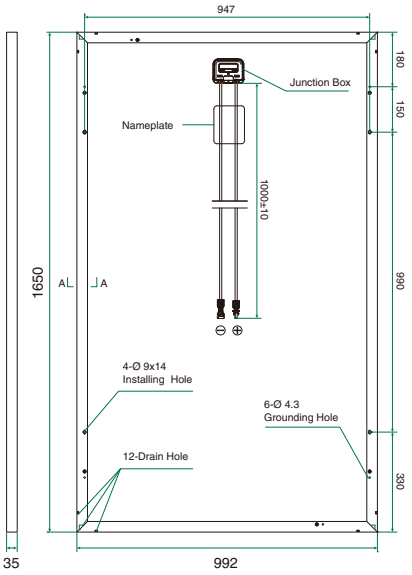
MAXIMUM RATINGS

Operational Temperature	-40~+85°C
Maximum System Voltage	1000V DC (IEC)
	1000V DC (UL)
Max Series Fuse Rating	15A

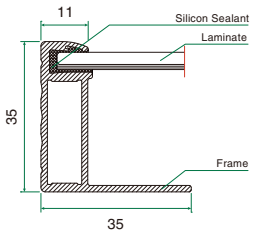
Once solar panel is mounted in a suitable location, connect charge controller. Solar panel should be placed in an area receiving adequate sun throughout the day. See charge controller manual for additional requirements. Keep connections watertight and front side glass clean for best performance.

Data on this sheet is subject to change without notice.

DIMENSIONS OF PV MODULE(mm)

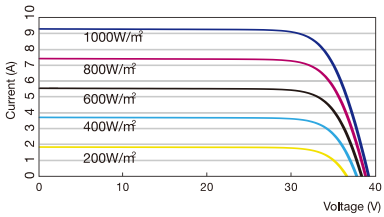


Back View

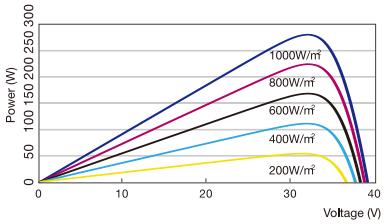


(A-A)

I-V CURVES OF PV MODULE(285W)



P-V CURVES OF PV MODULE(285W)



LARSON ELECTRONICS LLC • 9419 E US HWY 175 • KEMP, TX 75143
p: 1-800-369-6671 • intl: 903-498-3363 • f: 903-498-3364 • sales@larsonelectronics.com