

ALPHA SERIES

MONOCRYSTALLINE

SOLAR MODULES | 60 CELLS



Key Features

- High conversion efficiency
- 1500 V module
- Only positive power output tolerance
- Excellent performance in low light and low irradiance.
- 100% EL Inspected to ensure micro crack free modules.
- AR Coated high Transmission Glass
- Resistant to PID, LID and Salt-Mist/Ammonia corrosion
- Hotspot and defect free modules.
- Certified to withstand harsh environmental conditions.
- 25 years of linear output power warranty.

MONO 60 CELLS MODULE

MODEL TYPE	NOVA 280M60	NOVA 285M60	NOVA 290M60	NOVA 295M60	NOVA 300M60
CELL TYPE	MONOCRYSTALLINE	MONOCRYSTALLINE	MONOCRYSTALLINE	MONOCRYSTALLINE	MONOCRYSTALLINE
MAXIMUM POWER(Pmax) Wp	280	285	290	295	300
MAXIMUM POWER VOLTAGE (Vmp) V	31.54	31.80	32.30	32.50	32.80
MAXIMUM POWER CURRENT(Imp) A	8.89	8.97	8.99	9.08	9.15
OPEN CIRCUIT VOLTAGE(Voc) V	38.39	38.50	38.90	39.60	40.00
SHORT CIRCUIT CURRENT(Isc) A	9.33	9.38	9.43	9.51	9.60
MODULE EFFICIENCY (>) %	17.04	17.34	17.65	17.95	18.25

Temperature Ratings

Nominal Operating Cell Temperature (NOCT)	45°C ± 2 °C
Temperature coefficient of Pmpp	-0.38%/°C
Temperature coefficient of Voc	-0.32%/°C
Temperature coefficient of Isc	+0.028%/°C

Mechanical Data

Dimensions (HxWxT)	1660 X 990 X 35/40 mm
Weight (Kgs)	19 Kg
Distance Between Mounting Hole (X-Axis)	940 mm
Distance Between Mounting Hole (Y-Axis)	415 mm

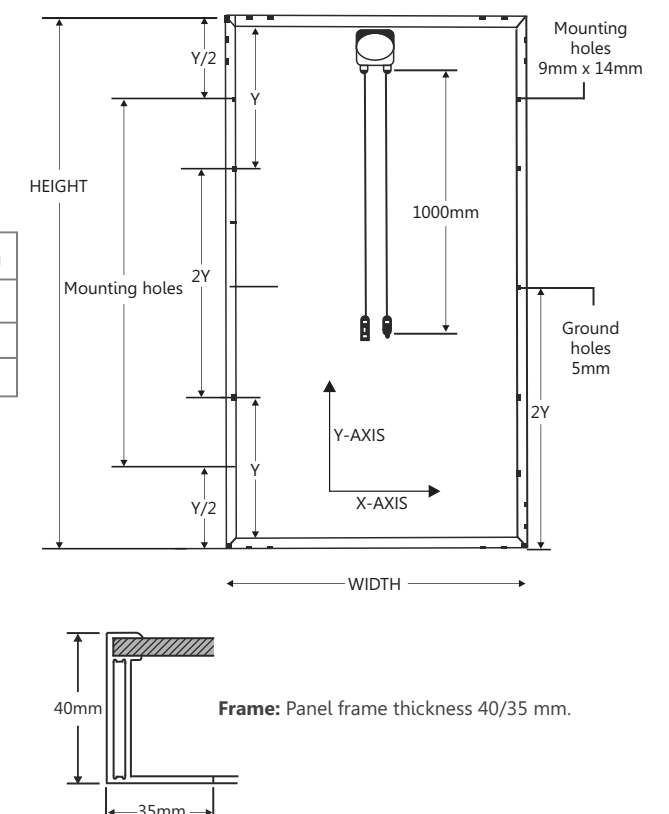
General Data

Solar Cells (mm)	157 X 157
Cell Orientation	10 X 6
Front Glass	ARC, Tempered & 3.2 mm Thickness
Frame	Anodized Aluminum Alloy
Junction Box	IP 68
Cable & Connectors	4 Sq mm, 1000 mm length with MC4 Connectors

Maximum Ratings

Operating Temperature	-40 to 85°C
Maximum System Voltage	1000 / 1500 V
Maximum Series Fuse Rating	15 A
Application Classification	A
Electrical Positive Tolerance(%)	0~3
Under Standard Test Condition (STC) of Irradiance of 1000 w/m2, Spectrum AM 1.5 and Cell Temperature of 25°C	

Note: ● Refer to module installation instructions for maximum loading configurations.
● All mechanical dimension tolerance ± 1mm.
*Listed specifications are subject to change without notice.



IV Curve

