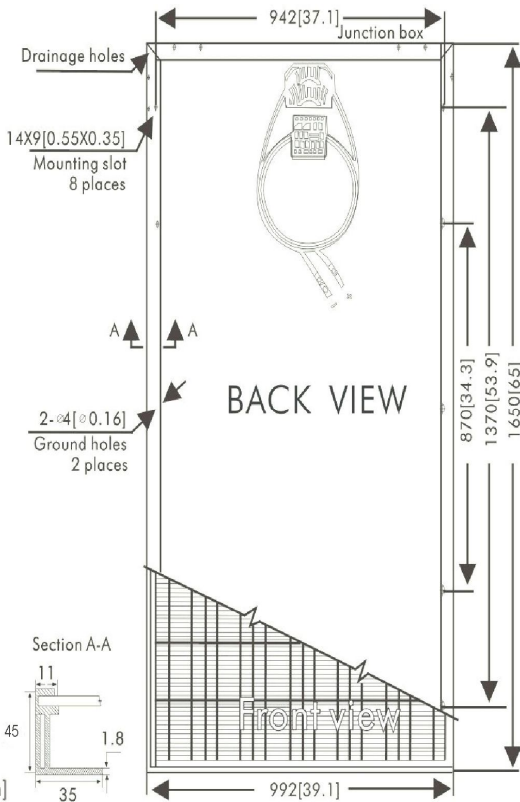


PV Modules Monocrystalline

Electrical Characteristics

	INE-220M-Black	INE-230M-Black	INE-235M-Black	INE-240M-Black	INE-250M-Black
Open-circuit Voltage (Voc)	36.5V	37V	37.2V	37.5V	37.8V
Optimum Operating Voltage (Vmp)	29.4V	29.6V	29.8V	30V	30.5V
Short-circuit Current (Isc)	8.23A	8.4A	8.5A	8.58A	8.85A
Optimum Operating Current (Imp)	7.53A	7.77A	7.89A	8A	8.2A
Maximum power at STC (Pmax)	220Wp	230Wp	235Wp	240Wp	250Wp
Operating Temperature	-40~+85°C	-40~+85°C	-40~+85°C	-40~+85°C	-40~+85°C
Maximum System Voltage	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC
Series Fuse Rating	15A	15A	15A	15A	15A
Power Tolerance	+3%	+3%	+3%	+3%	+3%

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



Mechanical Characteristics

Solar Cell	156 x 156 mm cell (60cells)
Dimensions	1650 x 992 x 45 mm
Weight	18 Kg
Front Glass	3.2 mm self-cleaning tempered glass
Frame	Anodized aluminum alloy-Black
Junction Box	IP65 rated & TUV-approved

Temperature Coefficients

Nominal operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-(0.47±0.05)%/°C
Temperature Coefficient of Voc	-(0.34±0.01)%/°C
Temperature Coefficient of Isc	0.055±0.01%/°C

Warranty

10 year	Product warranty
12 years	90% of power
25 years	80% of power

