Model 130

Modules are made with high efficiency multi / mono crystalline solar cells (i.e. 15% to 17%).These cells are encapsulated between a low iron content high transmitivity tempered glass and premium quality back sheet to provide efficient protection from the environmental conditions. The laminates are framed with strong, robust and anodized aluminum profile with multiple holes for ease of installation. The modules are fitted with 4-terminal Tyco junction box with 16A, 40V schottky bypass diodes (3 diodes) and plug in connectors.

Electrical Characteristics:

Cell Type	Mono/Poly Crystalline Silicone			
Cell Configuration	36 Cells in Series			
Normal Operating Cell Temperature	47±2ºC			
Maximum System Voltage	1000 V			
Maximum Series Fuse	15A			
Maximum Peak Power (Pmax)	135w	130w	125w	120w
Tolerance of Pmax	±2.5%	±2.5%	±2.5%	±2.5%
Open Circuit Voltage (Voc)	21.80V	21.80V	21.70V	21.70V
Short Circuit Current (Isc)	8.3A	8.2A	8.2A	8.1A
Voltage at Maximum Peak Power (Vmpp)	17.54V	17.20V	16.90V	16.80V
Current at Maximum Peak Power (Impp)	7.7A	7.6A	7.4A	7.2A
Measured at standard test conditions (STC) :	25ºC,1Kw/m², AM 1.5			

Mechanical Characteristics:

Dimensions: 1481x655x42 mm
Weight: 12.5 Kg
Mounting Hole: 9mmx7mm Elliptical
Grounding Hole: 4mm circular.
Warranty:
1 year limited warranty on material and workmanship.
10 years limited warranty on 90% power output.
25 years limited warranty on 80% power output.

Applications:
Grid connected systems.
Roof top systems.
Off grid rural applications.
Telecom sites.
Water pumping.

Model 200

Modules are made with high efficiency multi / mono crystalline solar cells (i.e. 15% to 17%).These cells are encapsulated between a low iron content high transmitivity tempered glass and premium quality back sheet to provide efficient protection from the environmental conditions. The laminates are framed with strong, robust and anodized aluminum profile with multiple holes for ease of installation. The modules are fitted with 4-terminal Tyco junction box with 16A, 40V schottky bypass diodes (3 diodes) and plug in connectors.

Electrical Characteristics:

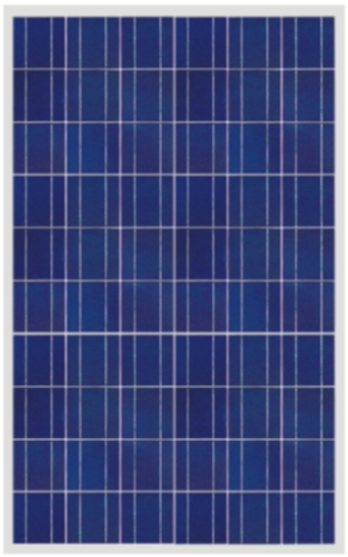
Cell Type	Mono/Poly Crystalline Silicone			
Cell Configuration	54 Cells in Series			
Normal Operating Cell Temperature	47±2ºC			
Maximum System Voltage	1000 V			
Maximum Series Fuse	15A			
Maximum Peak Power (Pmax)	205w	200w	195w	190w
Tolerance of Pmax	±2.5%	±2.5%	±2.5%	±2.5%
Open Circuit Voltage (Voc)	32.80V	32.80V	32.70V	32.70V
Short Circuit Current (Isc)	8.3A	8.2A	8.2A	8.2A
Voltage at Maximum Peak Power (Vmpp)	26.30V	26.10V	26.05V	25.90V
Current at Maximum Peak Power (Impp)	7.8A	7.7A	7.5A	7.4A
Measured at standard test conditions (STC) :	25ºC,1Kw/m², AM 1.5			

Mechanical Characteristics:

Dimensions: 1481x982x42 mm
Weight: 19 Kg
Mounting Hole: 9mmx7mm Elliptical
Grounding Hole : 4mm circular.
Warranty:
1 year limited warranty on material and workmanship.
10 years limited warranty on 90% power output.
25 years limited warranty on 80% power output.

Applications:
Grid connected systems.
Roof top systems.
Off grid rural applications.
Telecom sites.
Water pumping.

Model 225



Modules are made with high efficiency multi / mono crystalline solar cells (i.e. 15% to 17%).These cells are encapsulated between a low iron content high transmitivity tempered glass and premium quality back sheet to provide efficient protection from the environmental conditions. The laminates are framed with strong, robust and anodized aluminum profile with multiple holes for ease of installation. The modules are fitted with 4-terminal Tyco junction box with 16A, 40V schottky bypass diodes (3 diodes) and plug in connectors.

Electrical Characteristics:

Cell Type	Mono/Poly Crystalline Silicone			
Cell Configuration	60 Cells in Series			
Normal Operating Cell Temperature	47±2ºC			
Maximum System Voltage	1000 V			
Maximum Series Fuse	15A			
Maximum Peak Power (Pmax)	225w	220w	215w	210w
Tolerance of Pmax	±2.5%	±2.5%	±2.5%	±2.5%
Open Circuit Voltage (Voc)	36.45V	36.45V	36.35V	36.35V
Short Circuit Current (Isc)	8.3A	8.2A	8.2A	8.2A
Voltage at Maximum Peak Power (Vmpp)	28.85V	28.60V	28.30V	28.10V
Current at Maximum Peak Power (Impp)	7.8A	7.7A	7.6A	7.5A
Measured at standard test conditions (STC) :	25ºC,1Kw/m², AM 1.5			

Mechanical Characteristics:

Dimensions: 1639x982x42 mm
Weight: 21 Kg
Mounting Hole: 9mmx7mm Elliptical
Grounding Hole: 4mm circular.
Warranty:
1 year limited warranty on material and workmanship.
10 years limited warranty on 90% power output.
25 years limited warranty on 80% power output.

Applications:
Grid connected systems.
Roof top systems.
Off grid rural applications.
Telecom sites.
Water pumping.

Model 270

Modules are made with high efficiency multi / mono crystalline solar cells (i.e. 15% to 17%).These cells are encapsulated between a low iron content high transmitivity tempered glass and premium quality back sheet to provide efficient protection from the environmental conditions. The laminates are framed with strong, robust and anodized aluminum profile with multiple holes for ease of installation. The modules are fitted with 4-terminal Tyco junction box with 16A, 40V schottky bypass diodes (3 diodes) and plug in connectors.

Electrical Characteristics:

Cell Type	Mono/Poly Crystalline Silicone			
Cell Configuration	72 Cells in Series			
Normal Operating Cell Temperature	47±2ºC			
Maximum System Voltage	1000 V			
Maximum Series Fuse	15A			
Maximum Peak Power (Pmax)	270w	265w	260w	255w
Tolerance of Pmax	±2.5%	±2.5%	±2.5%	±2.5%
Open Circuit Voltage (Voc)	43.65V	43.65V	43.55V	43.55V
Short Circuit Current (Isc)	8.3A	8.2A	8.2A	8.2A
Voltage at Maximum Peak Power (Vmpp)	34.62V	34.33V	34.22V	34.11V
Current at Maximum Peak Power (Impp)	7.8A	7.7A	7.6A	7.5A
Measured at standard test conditions (STC) :	25ºC,1Kw/m², AM 1.5			

Mechanical Characteristics:

Dimensions: 1955x982x42 mm
Weight: 25 Kg
Mounting Hole: 9mmx7mm Elliptical
Grounding Hole: 4mm circular.
Warranty:
1 year limited warranty on material and workmanship.
10 years limited warranty on 90% power output.
25 years limited warranty on 80% power output.

Applications:
Grid connected systems.
Roof top systems.
Off grid rural applications.
Telecom sites.
Water pumping.