



ENERGISING THE FUTURE...

SS550144HCMP

550Wp

144 Cells

- Less power loss by minimizing **Shading** effect
- Ideal choice for utility and commercial scale projects by reduced **BOS**
- Higher power output with lower risk of **Hot spot**
- Lower LCOE & lower resistive **Loss**
- Excellent performance at low **Light** condition
- 12 Years** of Limited Product Warranty
- 25 Years** of Linear Power Guarantee

- Highly effective and extremely improved modules with 182 mm 10BB silicon cell with half cut technology
- No. of cell 144(6x24)
- Multi layer composite Film and Ultra Fast Cure EVA.
- Reinforced anodized Aluminum Frame
- Pre-drilled frame for easy mounting
- IP68 rated split Junction Box
- Solar MC4 compatible connector



APPLICATION



CONSTRUCTIONAL CHARACTERISTICS



- On-grid system
- BIPV
- Solar Farms
- Standalone (off-grid) Systems
- Battery Charging
- Solar Water Pumping

- Glass
- EVA
- Cells
- EVA
- Back Sheet
- Frame



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SPECIFICATIONS	SS550144HCMP
	MONO PERC Half cut Solar Cell
Electrical Characteristics	
Open Circuit Voltage (Voc)	49.85 V
Optimum Operating Voltage (Vmp)	41.77 V
Short Circuit Current (Isc)	13.93 A
Optimum Operating Current (Imp)	13.17 A
Power at STC (Pmax)	550 W
Fill Factor	79%
Maximum System Voltage	1500 VDC
Operating Conditions	-40°C to +85°C at 85% RH
Module Efficiency (n) %	21.32 %
Temp. Coefficient (α/β/γ) %	0.015% / -0.260% / -0.318%
NOCT (Average)	50.20°C
Mechanical Characteristics	
Weight	27.75 Kg
Module Dimension (L) X (W) X (D)	2277 x 1133 x35 ±1mm
Mounting Hole (Oblong)	8 X 10±0.5 mm
Mounting Hole CTC distance - vertical	1256 ±1 mm, 1856±1 mm
Mounting Hole from corner	210.5 ±1 mm, 510.5 ±1 mm
Junction Box Cable Length	350mm each
Mounting Hole CTC distance - horizontal	1085 ±1mm

