



Half Cut Cell
Technology



9BB Technology



An Low LID
Performance



Less Hot Spot
Shading Effects



Low Power
Temperature
Coefficient



Lower BOS & LCOE

Electrical Parameter at STC[#]

WATT	450
EFF.	20.60
VOC	49.57
ISC	11.43
VMP	41.42
IMP	10.79

Electrical Parameter at NOCT[#]

WATT	337.12
VOC	45.71
ISC	9.33
VMP	38.29
IMP	8.80

Temperature coefficients (TC) & Permissible Operating Conditions

Temperature Coefficients	
Tc of Open Circuit Voltage ()	-0.372 % / °C
Tc of Short Circuit Current ()	0.039 % / °C
Tc of Power ()	-0.52 % / °C
Maximum System Voltage	1500 V DC
NOCT	45 °C ± 2 °C
Operations Temperature Range	-40 °C to +85 °C

Guarantees and Certifications

Product Warranty**	10 Years
Performance Warranty**	Guaranteed Output power :- 90% for 10 years, 80% for 25 years
Approvals & Certificates	ISO 9001:2015/ ISO 14001:2015/ OHSAS 18001:2007

Mechanical Specification

Cells	144 Pcs Mono-crystalline silicon, 166mm Twin Peak
Cell encapsulation	Ultra-PID Resistant & Weather Stable EVA
Back Sheet	(Ethylene-Vinyl-Acetate) Fluoro based UV & Weather Stable White Backsheet
Frame	Silver Anodised Aluminum Alloy (Screwless)
Weight	25kg
Junction Box	IP68 , 3 Diode
Glass	3.2 mm, High transmission, ARC Glass
Cable & Connectors	Cable 300 mm length, 4mm ² MC4, Compatible Connectors
Application Class	Class A
Electrical Safety	Class II
Fire Safety	Class C (Type 1)
Mechanical Load Test	5400 Pa-Front ; 2400 Pa-Back
Maximum Series Fuse Rating	20 A
Length × Width × Height	2076mm X 1038mm X 40mm

