



Features :

- Low voltage-temperature coefficient enhances high temperature operation
- Exceptional low-light performance and high sensitivity to light across the entire solar spectrum
- 25-year limited warranty on power output and performance
- 5-year limited warranty on materials and workmanship
- Sealed, waterproof, multi-functional junction box gives high level of safety
- High performance bypass diodes minimize the power drop caused by shade
- High power models with pre wired quick-connect system with MC4 (PV-ST01) connectors.

ELECTRICAL PARAMETERS							
Model	FRS 50WM	FRS 90WM	FRS 120WM	FRS 170WM	FRS 270WM	FRS 290WM	FRS 340WM
Wattage	50 Watt	90 Watt	120 Watt	170 Watt	270 Watt	290 Watt	340 Watt
Number of Cells	36			60		72	
Nominal power P _{mpp} (wp)	50	90	120	170	270	290	340
Nominal Voltage V _{mpp} (V)	19.62	19.89	19.64	19.63	31.9	33.3	39.24
Nominal Current I _{mpp} (A)	2.56	4.53	6.12	8.68	8.49	8.7	8.69
Open Circuit Voltage V _{oc} (V)	22.68	22.69	22.7	22.67	37.4	37.8	45.32
Short Circuit Current I _{sc} (A)	2.71	4.69	6.48	9.19	8.99	9.18	9.2
Module Efficiency	15.8	17.4	16.7	17.27	16.9	18.13	17.73
Fuse Rating (A)	10			15	25		
Maximum System Voltage (V)	1000						
Weight	4 kg	6 kg	8.5 kg	11 kg	17.9 kg	17.9 kg	21.4 kg
Frame	Anodized Aluminium frame with twin wall profile						
Cell Encapulant	EVA (Ethylene Vinyl Acetate)						
TEMPERATURE COEFFICIENTS							
Short Circuit Current (α)	0.05 ± 0.02%/°C						
Open Circuit Voltage (β)	-0.35 ± 0.01% /°C						
Power (γ)	0.44 ± 0.02%/°C						
NOCT (°C)	45°C ± 2°C						
Temperature Range	40°C to 85°C						

Subjects will be changed without any prior notice.

Fortuners Advanced Technology Solutions Pvt. Ltd.

Delhi-Meerut Road, Modinagar

U.P. INDIA

E-mail : info@fortuners.net