



36

YEARS
OF LEADERSHIP
IN TECHNOLOGY

PROUDLY
MADE
IN
INDIA



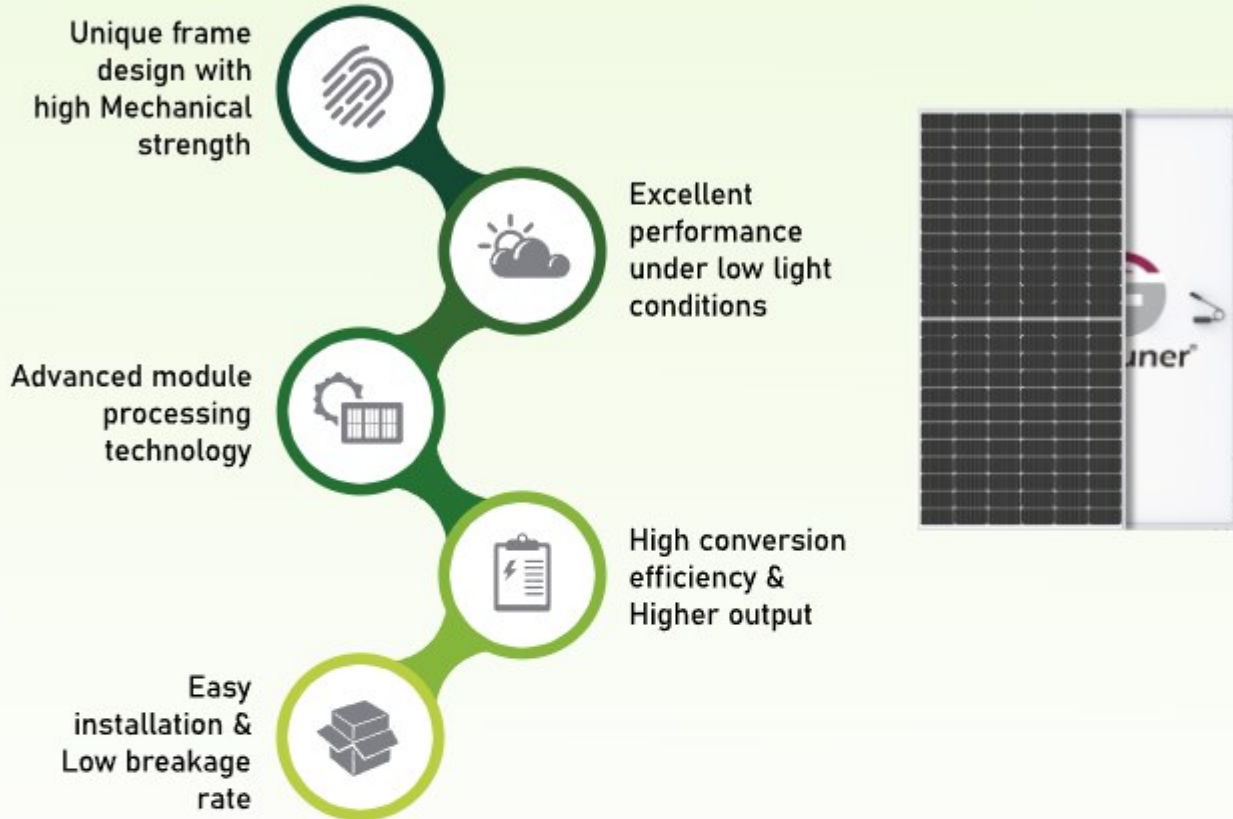
36+ | YEARS OF TRUST
COUNTRY PRESENCE
GLOBAL OEM BRANDS MANUFACTURER

EMPOWERING A GREENER TOMORROW

THE COMPANY WITH OVER FOUR DECADES
OF MANUFACTURING EXPERTISE AND INNOVATION

SOLAR PHOTOVOLTAIC

MODULE (Monocrystalline & Polycrystalline)



| Electrical Parameters | | | | | | | | | | | |
|--|--|-------------------------------|----------|------------------|--|----------|----------|----------|----------|----------|--|
| Model | FRS 50W | FRS 80W | FRS 100W | FRS 180W | FRS 235W | FRS 220W | FRS280W | FRS 320W | FRS 450W | FRS 550W | |
| | Half cut Cell & High Voltage | | | | | | | | | | |
| Maximum Power (P _{mx}) Wp | 50 | 80 | 100 | 180 | 235 | 220 | 280 | 320 | 450 | 550 | |
| Maximum Power (V _{mp}) | 17.50 | 18.00 | 18.00 | 18.55 | 31.00 | 26.75 | 31.00 | 37.00 | 43.50 | 42.02 | |
| Maximum Voltage (V _{mp}) | 2.80 | 4.70 | 5.60 | 8.70 | 7.60 | 8.25 | 8.90 | 8.80 | 9.92 | 12.98 | |
| Open Circuit Voltage (V _{oc}) | 21.50 | 22.00 | 22.00 | 22.00 | 37.50 | 33.20 | 37.40 | 44.50 | 50.02 | 50.14 | |
| Short Circuit Current (I _{sc}) | 3.15 | 4.45 | 6.10 | 9.20 | 8.10 | 8.70 | 9.42 | 9.35 | 11.08 | 13.55 | |
| Junction Box | IP 65 rated Water Proof Nylon 6 | | | | | | | | | | |
| Cable | On Request | | | | Double Insulated Solar Cable with MC4 Connector | | | | | | |
| Front Glass | Low Iron Content, toughened & tempered High transmittance with Glass | | | | | | | | | | |
| Solar Cells | 36 Cells | | | 60 Cells | 54 Cells | 60 Cells | 72 Cells | | | | |
| Cell Encapsulation | EVA (Ethylene Vinyl Acetate) | | | | | | | | | | |
| Back Sheet | TPT / EVA White Color | | | | | | | | | | |
| Frame | Anodized Aluminum Frame | | | | | | | | | | |
| Temperature Coefficients | Operating Conditions | | | | | | | | | | |
| | Temperature Range | | | (-40°C to +85°C) | | | | | | | |
| Coefficients of Current α | 0.05%/°C | Maximum System Voltage | | | 1000V | | | | | | |
| Coefficients of Voltage β | 0.34%/°C | Maximum Surface Load Capacity | | | Tested up to 2400Pa according to IEC 61215 | | | | | | |
| Coefficients of Power γ | 0.45%/°C | Warranty | | | 10 Years Product Workmanship, 25 Years Linear Power Warranty | | | | | | |

All Electrical Parameter Specified at STC: 25°C, Cell Temperature : 1000W/m, Irradiance: AM 1.5