EXTREMELY RELIABLE PRODUCT SUITING ALL ENVIRONMENT CONDITIONS
100% EL TESTED TO ENSURE DEFECT FREE MODULES
CERTIFIED FOR PID RESISTANCE
CERTIFIED FOR SALT MIST CORROSION RESISTANCE
SUPERIOR LOW LIGHT IRRADIATION PERFORMANCE 200W/m²
POSITIVE GUARANTEED TOLERANCE

APPLICATIONS
- Solar pumping applications
- Off grid residential systems
- On-grid rooftop residential, commercial and industrial roof top installations
# TECHNICAL DATA

## MONO PERC/MONO CRYSTALLINE 72 CELL MODULE SERIES

### Electrical Data

Data refers to STC (AM 1.5, 1000 W/m², 25°C)

<table>
<thead>
<tr>
<th>S. No.</th>
<th>MODEL</th>
<th>PREL 350W</th>
<th>PREL 355W</th>
<th>PREL 360W</th>
<th>PREL 355W</th>
<th>PREL 370W</th>
<th>PREL 375W</th>
<th>PREL 380W</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Peak power, (0–+ 4.99 Wp) Pmax (Wp)</td>
<td>350</td>
<td>355</td>
<td>360</td>
<td>365</td>
<td>370</td>
<td>375</td>
<td>380</td>
</tr>
<tr>
<td>2</td>
<td>Maximum voltage, Vmp (V)</td>
<td>38.10</td>
<td>38.20</td>
<td>38.30</td>
<td>38.40</td>
<td>38.40</td>
<td>38.50</td>
<td>38.60</td>
</tr>
<tr>
<td>4</td>
<td>Open Circuit Voltage, Voc (V)</td>
<td>47.40</td>
<td>47.50</td>
<td>47.70</td>
<td>47.80</td>
<td>48.00</td>
<td>47.20</td>
<td>48.30</td>
</tr>
<tr>
<td>5</td>
<td>Short circuit current, Isc (A)</td>
<td>9.56</td>
<td>9.64</td>
<td>9.78</td>
<td>9.94</td>
<td>9.90</td>
<td>9.96</td>
<td>10.05</td>
</tr>
<tr>
<td>6</td>
<td>Module efficiency (%)</td>
<td>18.51</td>
<td>18.78</td>
<td>19.04</td>
<td>19.31</td>
<td>19.57</td>
<td>19.84</td>
<td>20.10</td>
</tr>
</tbody>
</table>

*STC: irradiance 1000 W/m², cell temperature 25°C, air mass AM 1.5 according to EN 60904-3.
Average efficiency reduction of 5% at 200 W/m² according to EN 60904-1. Output Power - 0/+5W

### Electrical parameters at NOCT

- Power (Wp) at NOCT: 259.60, 263.70, 267.70, 272.10, 276.20, 280.02, 282.99
- Vmp (V) at NOCT: 35.80, 35.90, 36.00, 36.30, 36.50, 36.70, 36.80
- Imp (A) at NOCT: 7.26, 7.34, 7.43, 7.51, 7.57, 7.63, 7.69
- Voc (V) at NOCT: 43.80, 43.90, 44.10, 44.20, 44.30, 44.40, 44.50
- Isc (A) at NOCT: 7.73, 7.80, 7.91, 7.96, 8.01, 8.06, 8.10

NOCT: irradiance 800 W/m², ambient temperature 20°C, wind speed 1 m/sec

### Temperature co-e f clients (TC) permissible operating conditions

- TC of open circuit voltage (V) = -0.23 %/°C
- TC of short circuit current (A) = -0.060 %/°C
- TC of power (W) = -0.380 %/°C
- Maximum system voltage = 1000/1500 V
- NOCT = 46°C ± 2°C
- Temperature range = -40°C to + 65°C

### Mechanical Data

- Length x Width x Height: 1961 x 991 x 40 mm
- Weight: 21.5 kg ± 0.50 kg
- Junction Box: IP67 / IP68 3 Bypass diodes
- Cable & Connectors: 1000mm/1200mm length cables & MC4 Connectors
- Application Class: Class A (Safety Class III)
- Superstrate: High transmittance ARC Glass
- Cells: 72 Mono PERC / Monocrystalline, SBB Solar Cells
- Cell Encapsulant: EVA (Ethylene Vinyl Acetate)
- Back Sheet: Composite Film
- Frame: Anodized aluminium frame with twin wall profile
- Mechanical Load Test: 5400 pa-front, 2400 pa-back
- Maximum Series Fuse Rating: 15 A

### Warranty and Certifications

- Product Warranty: 10 years
- Performance Warranty: Linear Power Warranty for 25 year with 2.5% for 1st year degradation and 0.67% from year 2 to year 25
- Approvals and certificates: [Details]

* Module Efficiency as per Aperture area
** Refer to PATANJALI RENEWABLE ENERGY’S warranty document for terms and conditions.

**CAUTION: READ SAFETY AND INSTALLATION MANUAL BEFORE USING THE PRODUCT.
Specifications included in this datasheet are subject to change without notice. Electrical data without guarantee. Please confirm your exact requirement with the company representative while placing your order.
PREL/ENG/TDS/01-Rev. 00
TDS-SBB-Mono-72 Cells

Patanjali Renewable Energy Pvt. Ltd.
D-83-84-85, EPIT, UPSIDC, SITE-V, Kasna, Greater Noida, UP 201310.
Customer Care No. +91-971-160-6006
E-mail: info@patanjalirenewable.com | www.patanjalirenewable.com
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**Packaging Information**

Qty.: 25 in 1 Box
Qty.: 02 in 1 Box