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

uupto 17.53% EFFICIENCY
200-220 W RANGE
TECHNICAL DATA

POLY 48 CELLS MODULE SERIES

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

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>MODEL</th>
<th>PREL 200W</th>
<th>PREL 210W</th>
<th>PREL 215W</th>
<th>PREL 220W</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Peak power, (0° + 4.99 Wp) Pmax (Wp)</td>
<td>200</td>
<td>210</td>
<td>215</td>
<td>220</td>
</tr>
<tr>
<td>2</td>
<td>Maximum voltage, Vmp (V)</td>
<td>25.01</td>
<td>25.4</td>
<td>25.7</td>
<td>26.05</td>
</tr>
<tr>
<td>3</td>
<td>Maximum current, Imp (A)</td>
<td>8.02</td>
<td>8.11</td>
<td>8.27</td>
<td>8.45</td>
</tr>
<tr>
<td>4</td>
<td>Open Circuit Voltage, Voc (V)</td>
<td>30.05</td>
<td>30.5</td>
<td>30.9</td>
<td>31.3</td>
</tr>
<tr>
<td>5</td>
<td>Short circuit current, Isc (A)</td>
<td>8.72</td>
<td>8.82</td>
<td>8.91</td>
<td>8.97</td>
</tr>
<tr>
<td>6</td>
<td>Module efficiency (%)</td>
<td>15.94</td>
<td>16.73</td>
<td>17.13</td>
<td>17.53</td>
</tr>
</tbody>
</table>

Temperature co-efficients (TC) permissible operating conditions

| TC of open circuit voltage (θ) | -0.27 % /°C |
| TC of short circuit current (α) | -0.024 % /°C |
| TC of power (γ) | -0.40 % /°C |

Maximum system voltage 1000/1500 V

NOCT 46°C ± 2°C

Temperature range -40°C to +85°C

Mechanical Data

Length x Width x Height 1325 x 990 x 35 mm

Weight 14.5 kg ± 0.500 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 48 Polycrystalline 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 : IEC 61215, IEC 61730, IEC 61701, IEC 62804, IS14286, IS61730

* 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/04-Rev.01
TDS-5BB-Poly-48 Cells

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Packaging Information

Qty. : 30 in 1 Box
Qty. : 02 in 1 Box