TWINPLUS MODULE SERIES
HIGH EFFICIENCY MONO-PERC M6-10B-B
390-410W

OUTSTANDING PRODUCT PERFORMANCE
- Competitive high-temperature performance with ameliorated temperature coefficient
- Minimized power loss in cell connection
- Better performance under shading effect
- Decreased nominal operating cell temperature to 45 ± 2°C
- Higher power generation with multi-busbar and half-cut technology

TRUSTWORTHY QUALITY AND RELIABILITY
- Guaranteed 0~+5W positive tolerance secures reliable power output
- 5400Pa maximum snow load, 2400Pa maximum wind load
- Optimized electrical design lowers hot spot risk and operating current

PID RESISTANT
- Industry-leading cell processing technology and electrical design ensure solid PID resistance

MANAGEMENT SYSTEM CERTIFICATES
IEC 61215, IEC 61730, UL 61730
ISO 9001:2015 / Quality management system
ISO 14001:2015 / Standards for environmental management system
PHONO SOLAR TECHNOLOGY CO., LTD reserves the right to make necessary adjustments to the information described herein at any time without further notice. The specifications and certificates contained in this datasheet may deviate slightly from our actual products due to the on-going innovation and product enhancement. Please be sure to use the most recent version of data.

**ELECTRICAL CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Model</th>
<th>1000V</th>
<th>1500V</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS390M6-18/VHB</td>
<td>STC</td>
<td>NOCT</td>
</tr>
<tr>
<td>PS395M6-18/VHB</td>
<td>390</td>
<td>290</td>
</tr>
<tr>
<td>PS400M6-18/VHB</td>
<td>12.79</td>
<td>10.33</td>
</tr>
<tr>
<td>PS405M6-18/VHB</td>
<td>30.50</td>
<td>28.08</td>
</tr>
<tr>
<td>PS410M6-18/VHB</td>
<td>13.32</td>
<td>10.76</td>
</tr>
<tr>
<td>PS415M6-18/VHB</td>
<td>36.48</td>
<td>34.44</td>
</tr>
</tbody>
</table>

**MECHANICAL CHARACTERISTICS**

- **Cell Type**: Monocrystalline 182mm x 91mm
- **Dimension (L x W x H)**:
  - Length: 1722mm (67.80 inch)
  - Width: 1134mm (44.65 inch)
  - Height: 30mm (1.18 inch)
- **Weight**: 22.0kg (45.80 lbs)
- **Front Glass**: 3.2mm Toughened Glass
- **Frame**: Anodized Aluminium Alloy
- **Cable (Including Connector)**: 4mm² (IEC), (+)450mm, (-)250mm or Customized Length
- **Junction Box**: IP 68 Rated

**TEMPERATURE RATINGS**

- **Voltage Temperature Coefficient**: -0.28%/°C
- **Current Temperature Coefficient**: +0.05%/°C
- **Power Temperature Coefficient**: -0.35%/°C
- **Tolerance**: 0 to +5w
- **NOCT**: 45±2°C

**ABSOLUTE MAXIMUM RATING**

- **Operating Temperature**: From -40 to +85°C
- **Hail Diameter @ 80km/H**: Up to 25mm
- **Front Side Maximum Static Loading**: 5400Pa
- **Rear Side Maximum Static Loading**: 2400Pa
- **Maximum Series Fuse Rating**: 25A
- **PV Module Classification**: Type I
- **Module Fire Performance (UL 61730)**: 160000
- **Maximum System Voltage**: DC 1000V/1500V

**PACKING CONFIGURATION**

- **Container**: 20' GP, 40' HQ
- **Pieces/Container**: 216, 936

**ELECTRICAL TYPICAL VALUES**

<table>
<thead>
<tr>
<th>Model</th>
<th>1000V</th>
<th>1500V</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS390M6-18/VHB</td>
<td>21.00</td>
<td>4.70</td>
</tr>
<tr>
<td>PS395M6-18/VHB</td>
<td>21.00</td>
<td>4.70</td>
</tr>
<tr>
<td>PS400M6-18/VHB</td>
<td>21.00</td>
<td>4.70</td>
</tr>
<tr>
<td>PS405M6-18/VHB</td>
<td>21.00</td>
<td>4.70</td>
</tr>
<tr>
<td>PS410M6-18/VHB</td>
<td>21.00</td>
<td>4.70</td>
</tr>
</tbody>
</table>

**MECHANICAL CHARACTERISTICS**

- **Cell Type**: Monocrystalline 182mm x 91mm
- **Dimension (L x W x H)**:
  - Length: 1722mm (67.80 inch)
  - Width: 1134mm (44.65 inch)
  - Height: 30mm (1.18 inch)
- **Weight**: 22.0kg (45.80 lbs)
- **Front Glass**: 3.2mm Toughened Glass
- **Frame**: Anodized Aluminium Alloy
- **Cable (Including Connector)**: 4mm² (IEC), (+)450mm, (-)250mm or Customized Length
- **Junction Box**: IP 68 Rated

**TEMPERATURE RATINGS**

- **Voltage Temperature Coefficient**: -0.28%/°C
- **Current Temperature Coefficient**: +0.05%/°C
- **Power Temperature Coefficient**: -0.35%/°C
- **Tolerance**: 0 to +5w
- **NOCT**: 45±2°C

**ABSOLUTE MAXIMUM RATING**

- **Operating Temperature**: From -40 to +85°C
- **Hail Diameter @ 80km/H**: Up to 25mm
- **Front Side Maximum Static Loading**: 5400Pa
- **Rear Side Maximum Static Loading**: 2400Pa
- **Maximum Series Fuse Rating**: 25A
- **PV Module Classification**: Type I
- **Module Fire Performance (UL 61730)**: 160000
- **Maximum System Voltage**: DC 1000V/1500V

**PACKING CONFIGURATION**

- **Container**: 20' GP, 40' HQ
- **Pieces/Container**: 216, 936