### Feature

<table>
<thead>
<tr>
<th>Enhanced Performance Warranty</th>
<th>Bifacial Energy Yield</th>
</tr>
</thead>
<tbody>
<tr>
<td>LG NeON® 2 BiFacial has an enhanced performance warranty. LG NeON® 2 BiFacial is guaranteed at least 86% of initial performance.</td>
<td>LG NeON® 2 BiFacial modules use highly efficient bifacial solar cell, &quot;NeON&quot; applied Cello technology. Through the Cello technology, LG NeON® 2 BiFacial can achieve up to 30% more energy than standard PV module.</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>Better Performance on a Sunny Day</th>
<th>More Generation on a Cloudy Day</th>
</tr>
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<tbody>
<tr>
<td>LG NeON® 2 BiFacial now performs better on sunny days than its predecessor thanks to its improved temperature coefficient.</td>
<td>LG NeON® 2 BiFacial gives good performance even on a cloudy day due to its low energy reduction in weak sunlight.</td>
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<tr>
<th>BOS (Balance Of System) Saving</th>
<th>Near Zero LID (Light Induced Degradation)</th>
</tr>
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<tr>
<td>LG NeON® 2 BiFacial can reduce the total number of strings due to its high module efficiency resulting in a more cost-effective and efficient solar power system.</td>
<td>The n-type cells used in LG NeON® 2 BiFacial have almost no boron, which may cause the initial efficiency to drop, leading to less LID.</td>
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**About LG Electronics**

LG Electronics is a global big player committed to expanding its operations with the solar market. The company first embarked on a solar energy source research program in 1985, supported by LG Group’s vast experience in the semiconductor, LCD, chemistry, and materials industries. In 2010, LG Solar successfully released its first MonoX® series to the market, which is now available in 32 countries. The NeON® (previous MonoX® NeON), NeON®2, NeON®2 BiFacial won the “Intersolar AWARD” in 2013, 2015 and 2016, which demonstrates LG Solar’s lead, innovation, and commitment to the industry.
**Electrical Properties (STC*)**

<table>
<thead>
<tr>
<th></th>
<th>LG395N2T - A5</th>
<th>Bifacial Gain**</th>
<th>LG390N2T - A5</th>
<th>Bifacial Gain**</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Power (Pmax) [W]</td>
<td>390</td>
<td>414</td>
<td>418</td>
<td>419</td>
</tr>
<tr>
<td>MPP Voltage (Vmp) [V]</td>
<td>41.8</td>
<td>41.8</td>
<td>41.8</td>
<td>41.9</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc) [V]</td>
<td>49.3</td>
<td>49.3</td>
<td>49.3</td>
<td>49.5</td>
</tr>
<tr>
<td>Module Efficiency [%]</td>
<td>18.7</td>
<td>19.6</td>
<td>20.6</td>
<td>22.4</td>
</tr>
</tbody>
</table>

- **Operating Temperature [°C]**: -40 to 90
- **Maximum System Voltage [V]**: 1,500 (UL) / 1,000 (IEC)
- **Maximum Series Fuse Rating [A]**: 20
- **Pmax Bifaciality Coefficient [%]**: 76
- **Power Tolerance [%]**: 0 to ±3

**Mechanical Properties**

- **Cells**: 6 x 12
- **Cell Type**: Monocrystalline / N-type
- **Cell Dimensions**: 161.7 x 161.7 mm / 6 inches
- **# of Busbar**: 12 (Multi Wire Busbar)
- **Dimensions (L x W x H)**: 2,064 x 1,024 x 40 mm
- **Front Load**: 5,400 Pa / 113 psf*
- **Rear Load**: 4,300 Pa / 90 psf*
- **Weight**: 22.0 kg / 48.72 lb
- **Connector Type**: MC4 (MC), PV-JM601A (JMTHY)
- **Junction Box**: IP68 with 3 Bypass Diodes
- **Cables**: 1,200 mm x 2 ea / 47.24 in x 2 ea
- **Glass**: High Transmission Tempered Glass
- **Frame**: Anodized Aluminium

**Certifications and Warranty**

- **Certifications**:
  - UL 1703
  - IEC 61215, IEC 61730-2
  - IEC 62716 (Ammonia corrosion test)
  - ISO 9001
- **Module Fire Performance**:
  - Type 1 (UL 1703)
- **Fire Resistance Class**:
  - Class C (ULC/ORD C1703, IEC 61730)
- **Product Warranty**:
  - 25 Years
- **Output Warranty of Pmax**:
  - Linear Warranty* 1)

**Temperature Characteristics**

<table>
<thead>
<tr>
<th>NOCT [°C]</th>
<th>Pmax [%/°C]</th>
<th>Voc [%/°C]</th>
<th>Isc [%/°C]</th>
</tr>
</thead>
<tbody>
<tr>
<td>45 ± 3</td>
<td>-0.36</td>
<td>-0.27</td>
<td>0.03</td>
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*Please refer to the installation manual for the details.

*NOCT (Nominal Operating Cell Temperature): Irradiance 800 W/m², ambient temperature 20 °C, wind speed 1 m/s.

**Characteristic Curves**

- Current (A) vs. Voltage (V): 1000W, 800W, 600W, 400W, 200W
- Voltage (V) vs. Temperature (°C): No data provided

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*The distance between the center of the mounting/grounding holes.