The LG NeON® R is a high-power luxury solar panel featuring newly developed Back Contact Technology™. The advanced cell structure locates all of the module’s electrodes on the back side of the panel, minimizing power loss and boosting efficiency.

### Enhanced Warranties
LG offers a 25-year product warranty for LG NeON® R in addition to an enhanced performance warranty. After 25 years, LG NeON® R is guaranteed to produce at least 88.4% of its initial power output.

### High Power Output
The LG NeON® R has been designed to significantly enhance its output, making it efficient even in limited spaces.

### Roof Aesthetics
LG NeON® R has been designed with aesthetics in mind: the lack of any electrodes on the front creates an improved, modern aesthetic.

### Outstanding Durability
With its newly reinforced frame design, LG NeON® R can endure a front load up to 6000 Pa, and a rear load up to 5400 Pa.

### Improved Performance on Sunny Days
LG NeON R now performs better on sunny days, thanks to its improved temperature coefficient.

### Near Zero LID (Light Induced Degradation)
The n-type cells used in LG NeON® R have almost no boron. This leads to less LID right after installation.

---

**About LG Electronics**

LG Electronics is a global player who has been committed to expanding its capacity, based on solar energy business as its future growth engine. We embarked on a solar energy source research program in 1985, supported by LG Group’s rich experience in semi-conductor, LCD, chemistry, and materials industry. We successfully released first Mono X® series to the market in 2010, which were exported to 32 countries in the following 2 years, thereafter. In 2013, NeON™ (previously known as Mono X® NeON) & 2015 NeON2 with CELLO technology won “Intersolar Award”, which proved LG is the leader of innovation in the industry.
### Mechanical Properties

**Cells**
- 6 x 10

**Cell Vendor**
- LG

**Cell Type**
- Monocrystalline / N-type

**Cell Dimensions**
- 161.7 x 161.7 mm / 6 inches

**Dimensions (L x W x H)**
- 1700 x 1016 x 40 mm
- 66.93 x 40.0 x 1.57 inch

**Front Load**
- 6,000Pa / 125 psf

**Rear Load**
- 5,400Pa / 113 psf

**Weight**
- 18.5 kg / 40.79 lb

**Connector Type**
- MC4

**Junction Box**
- IP68 with 3 Bypass Diodes

**Length of Cables**
- 1000 mm x 2 ea

**Glass**
- Tempered Glass with AR Coating

**Frame**
- Anodized Aluminium

### Electrical Properties (STC *)

<table>
<thead>
<tr>
<th>Module</th>
<th>350</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Power (Pmax)</td>
<td>350</td>
</tr>
<tr>
<td>MPP Voltage (Vmpp)</td>
<td>36.1</td>
</tr>
<tr>
<td>MPP Current (Impp)</td>
<td>9.70</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc)</td>
<td>42.7</td>
</tr>
<tr>
<td>Short Circuit Current (Isc)</td>
<td>10.77</td>
</tr>
<tr>
<td>Module Efficiency</td>
<td>20.3</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-40 ~ +90</td>
</tr>
<tr>
<td>Maximum System Voltage</td>
<td>1000</td>
</tr>
<tr>
<td>Maximum Series Fuse Rating</td>
<td>20</td>
</tr>
<tr>
<td>Power Tolerance (%)</td>
<td>0 ~ +3</td>
</tr>
</tbody>
</table>

* STC (Standard Test Condition): Irradiance 1,000 W/m², Ambient Temperature 25 °C, AM 1.5

* The nameplate power output is measured and determined by LG Electronics at its sole and absolute discretion.

* The typical change in module efficiency at 200 W/m² in relation to 1000 W/m² is -2.0%.

### Electrical Properties (NOCT*)

<table>
<thead>
<tr>
<th>Module</th>
<th>350</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Power (Pmax)</td>
<td>264</td>
</tr>
<tr>
<td>MPP Voltage (Vmpp)</td>
<td>36.0</td>
</tr>
<tr>
<td>MPP Current (Impp)</td>
<td>7.32</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc)</td>
<td>40.1</td>
</tr>
<tr>
<td>Short Circuit Current (Isc)</td>
<td>8.67</td>
</tr>
</tbody>
</table>

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

### Certifications and Warranty

**Certifications**
- IEC 61215, IEC 61730-1/-2
- UL 1703
- IEC 61701 (Salt mist corrosion test)
- IEC 62716 (Ammonia corrosion test)
- ISO 9001

**Module Fire Performance (USA)**
- Type 1

**Fire Resistance Class (CANADA)**
- Class C (ULC / ORD C1703)

**Product Warranty**
- 25 years

**Output Warranty of Pmax**
- Linear warranty**

**Temperature Characteristics**

<table>
<thead>
<tr>
<th>NOCT</th>
<th>44 ± 3 °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pmpp</td>
<td>-0.30 %/°C</td>
</tr>
<tr>
<td>Voc</td>
<td>-0.24 %/°C</td>
</tr>
<tr>
<td>Isc</td>
<td>0.04 %/°C</td>
</tr>
</tbody>
</table>

**Characterisitc Curves**

- Voltage (V) vs Current (A)
- Isc, Voc, Pmax (%)/Temperature (°C)

### Dimensions (mm/in)

- **Mounting holes (8ea)**
  - Ø 4.3 / 0.2
- **Grounding holes (4ea)**
  - Ø 8.2 / 0.3
- **Drain holes (4ea)**
  - 4.0 x 7.5 / 0.2 x 0.3
- **Drain holes (4ea)**
  - 4.0 x 5.5 / 0.2 x 0.2
- **Long Side Frame**
  - 1016 / 40.0
- **Short Side Frame**
  - 976 / 38.4
- **Distance between grounding & mounting holes**
  - 1700 / 66.9
- **Size of long side**
  - 1300 / 51.2
- **Distance between mounting holes**
  - 1100 / 43.3
- **Size of short side**
  - 66.93 x 40.0 x 1.57 inch

**Mounting holes**
- 1000 / 39.4

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

---

North America Solar Business Team
LG Electronics U.S.A. Inc
1900 Sylvan Ave, Englewood Cliffs, NJ 07632
Contact: lg.solar@lge.com
www.lgsolarusa.com

Product specifications are subject to change without notice.
DS-T1-72-W-G-P-EN-60630
Copyright © 2017 LG Electronics. All rights reserved.
01/01/2017

Innovation for a Better Life