

## **BUILT TO PERFORM. BUILT TO LAST.**

# LG NeON®H

## 460W/465W/470W

Up to 21.4% module efficiency

### LG NeON® H - Ideally suited for Australia and New Zealand climates

The LG NeON® H is a powerful and one of the most versatile modules on the market today. The LG NeON® H is equipped with N-type cells technology to increase power and efficiency compared to models. The LG NeON® H includes a 25-year product and performance warranty for high performance and reliability.











Electrical Properties (STC\*)

Module Type	LG460N2W-E6	LG465N2W-E6	LG470N2W-E6
Maximum Power Pmax (W)	460	465	470
MPP Voltage Vmpp (V)	42.4	42.7	43.0
MPP Current Impp (A)	10.86	10.89	10.93
Open Circuit Voltage Voc ( $\pm$ 5%) (V)	50.2	50.5	50.7
Short Circuit Current Isc ( ± 5%) (A)	11.45	11.51	11.57
Module Efficiency (%)	20.9	21.2	21.4
Operating Temperature (°C)	-40~+85		
Maximum System Voltage (V)	1000 (IEC) 20 0 ~+3		
Maximum Series Fuse Rating (A)			
Power Tolerance (%)			

 $<sup>^{\</sup>star}$  STC (Standard Test Condition) : Irradiance 1,000W/m2, Cell temperature 25°C, AM 1.5.

#### Electrical Properties (NMOT<sup>2</sup>)

Module Type	LG460N2W-E6	LG465N2W-E6	LG470N2W-E6
Maximum Power Pmax (W)	347	351	355
MPP Voltage Vmpp (V)	39.90	40.20	40.50
MPP Current Impp (A)	8.70	8.72	8.76
Open Circuit Voltage (Voc)	47.40	47.70	47.90
Short Circuit Current Isc (A)	9.22	9.27	9.32

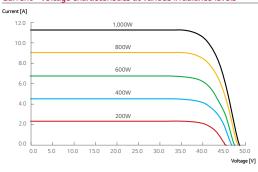
#### **Mechanical Properties**

Cell Configuration	144 Cells (6 x 24)
Cell Maker	LG
Cell Properties	Monocrystalline / N-type
Number of Busbars	9EA
Dimensions (L x W x H)	2,110 x 1,042 x 40 mm
Front Load (test)	5400 Pa
Rear Load (test)	3000 Pa
Weight	22kg
Connector Type	Genuine MC4, IP68 (Male: PV-KST4)(Female: PV-KBT4)
Junction Box	IP68 with 3 bypass diodes
Length of Cables	1,400mm x 2 EA
Glass (Material)	Tempered Glass with AR Coating
Backsheet Colour	White
Frame	Anodised aluminum

#### **Temperature Characteristics**

icinperature enaracteristics	
NMOT <sup>2</sup>	42 ± 3 ℃
Pmax	-0.33 %/°C
Voc	-0.26 %/°C
Isc	0.04 %/°C

#### Current - Voltage characteristics at various irradiance levels

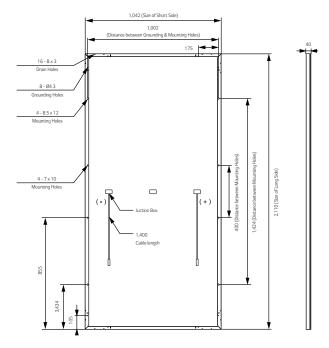


#### Certifications and Warranty

Certifications and warranty	
	ISO 9001, ISO 14001, ISO 50001
Certifications	IEC 61215-1 / -1-1 / 2:2016, IEC 61730-1 / 2:2016,
Certifications	UL 61730-1:2017, UL 61730-2:2017
	ISO 45001
Salt Mist Corrosion Test	IEC 61701 : 2011 Severity 6
Ammonia Corrosion Test	IEC 62716 : 2013
Fire Rating	Class C (UL 790)
Product Warranty	25 Years
Output Warranty of Pmax (Measurement Tolerance ± 3%)	Linear Warranty <sup>1</sup>

<sup>1) 1</sup>st year. 98.5%, 2) After 1st year. 0.33% annual degradation, 3) 90.6% at 25 years.

#### Dimensions (mm)





LG Electronics Australia Pty Ltd Solar Business Group 2 Wonderland Drive, Eastern Creek, NSW 2766 Ph: 1300 152 179 E-Mail: solar.sales@lge.com.au

Web: Igenergy.com.au

LG Electronics Inc. Solar Business Division Twin Building, Western Tower, 11F, 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, 07336, Korea www.lg.com/global/business

Product specifications are subject to change without prior notice. Date: 12/2021

\*Designed and developed in Korea Made in Korea to LG specifications. Copyright © 2021 LG Electronics. All rights reserved.



 $<sup>^2</sup>$  NMOT (Nominal Module Operating Temperature): Irradiance 800W/m², Ambient temperature 20 °C, Wind speed 1 m/s, Spectrum AM 1.5.