

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.



144 cell

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 (± 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)		
Maximum Series Fuse Rating (A)	20		
Power Tolerance (%)	0 ~ +3		

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

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 aluminium

NMOT ²	42 ± 3 °C
Pmax	-0.33 %/°C
Voc	-0.26 %/°C
Isc	0.04 %/°C

The graph shows the relationship between Current [A] and Voltage [V] for different power levels. The y-axis represents Current [A] from 0.0 to 12.0, and the x-axis represents Voltage [V] from 0.0 to 50.0. Five curves are plotted, each corresponding to a specific power level: 200W (red), 400W (blue), 600W (green), 800W (orange), and 1000W (black). Each curve shows a constant current region followed by a sharp drop-off as voltage increases.

Power [W]	Constant Current [A]	Voltage Range [V]	Drop-off Voltage [V]
200W	2.0	0.0 - 35.0	~45.0
400W	4.0	0.0 - 35.0	~42.0
600W	6.0	0.0 - 35.0	~40.0
800W	8.0	0.0 - 35.0	~38.0
1000W	10.0	0.0 - 35.0	~35.0

Certifications	ISO 9001, ISO 14001, ISO 50001
	IEC 61215-1 / -1-1 / 2:2016, IEC 61730-1 / 2:2016, 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 ¹

Dimensions (mm)

