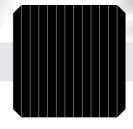
LG NeON® 2 BiFacial

LG395N2T-A5 | LG390N2T-A5



395W | 390W

The LG NeON® 2 BiFacial is designed to absorb irradiance not only from the front but also the rear of its NeON® cell by using a transparent backsheet. The dual faces of the cell allows for higher energy generation.











Feature



Enhanced Performance Warranty

LG NeON® 2 BiFacial has an enhanced performance warranty. LG NeON® 2 BiFacial is guaranteed at least 86% of initial performance.



Bifacial Energy Yield

LG NeON® 2 BiFacial modules use highly efficient bifacial solar cell, "NeON" applied Cello technology. Through the Cello technology, LG NeON® 2 BiFacial can achieve up to 30% more energy than standard PV module.



Better Performance on a Sunny Day

LG NeON® 2 BiFacial now performs better on sunnydaysthankstoitsimproved temperature coefficient.



More Generation on a Cloudy Day

LG NeON® 2 BiFacial gives good performance even on a cloudy day due to its low energy reduction in weak sunlight.



BOS (Balance Of System) Saving

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.



Near Zero LID (Light Induced Degradation)

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.

About LG Electronics







LG395N2T-A5 | LG390N2T-A5

Electrical Properties (STC*)

			Bifaical Gain**				LC200NAT AF	Bifacial Gain**			
		LG395N2T - A5	5%	10%	20%	30%	LG390N2T - A5	5%	10%	20%	30%
Maximum Power (Pmax)	[W]	395	415	435	474	514	390	410	429	468	507
MPP Voltage (Vmpp)	[V]	41.8	41.8	41.8	41.9	41.9	41.4	41.4	41.4	41.5	41.5
MPP Current (Impp)	[A]	9.46	9.92	10.39	11.31	12.26	9.43	9.90	10.36	11.28	12.22
Open Circuit Voltage (Voc)	[V]	49.3	49.3	49.3	49.4	49.4	49.2	49.2	49.2	49.3	49.3
Short Circuit Current (Isc)	[A]	10.19	10.70	11.21	12.23	13.25	10.15	10.15	11.17	12.18	13.20
Module Efficiency	[%]	18.7	19.6	20.6	22.4	24.3	18.5	19.4	20.3	22.1	24.0
Operating Temperature	[°C]	-40~+90									
Maximum System Voltage	[V]	1,500(UL) / 1,000(IEC)									
Maximum Series Fuse Rating	[A]	20									
Pmax Bifaciality Coefficient***	[%]	76									
Power Tolerance	[%]	0~+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		
	81.26 x 40.31 x 1.57 in		
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		

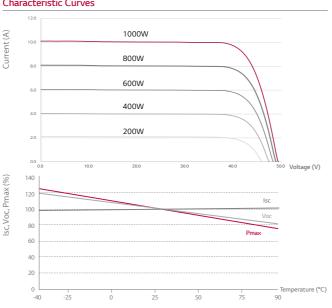
^{*} Please refer to the installation manual for the details

Electrical Properties (NOCT*)

Model		LG395N2T-A5	LG390N2T-A5
Maximum Power (Pmax)	[W]	292	289
MPP Voltage (Vmpp)	[V]	38.7	38.3
MPP Current (Impp)	[A]	7.55	7.54
Open Circuit Voltage (Voc)	[V]	46.0	45.9
Short Circuit Current (Isc)		8.20	8.17

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

Characteristic Curves



Certifications and Warranty

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

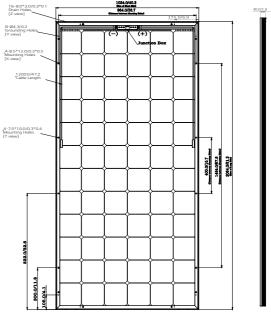
^{* 1) 1}st year: 98%, 2) After 1st year: 0.5% annual degradation, 3) 86% for 25 years

Temperature Characteristics

NOCT	[°C]	45 ± 3
Pmax	[%/°C]	-0.36
Voc	[%/°C]	-0.27
Isc	[%/°C]	0.03

Dimensions (mm / inch)





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

DS-T5-72-W-G-P-EN-80510



LG Electronics Inc. Solar Business Division LG Twin Towers, 128 Yeoui-daero, Yeongdeungpo-gu, Seoul 07336, Korea



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

* STC (Standard Test Condition): Irradiance 1,000 W/m², cell temperature 25 °C, AM 1.5(Measurement Tolerance: ±3%, Electrical Parameter Tolerance: ±5%)

*** Bifacial Gain: The additional gain from the back side compared to the power of the front side at the standard test condition. It depends on installation condition.

*** Pmax Bifaciality Coefficient 25 years warranty based on front output warranty, tolerance±7%