

LG390N1C-E6 | LG385N1C-E6 | LG380N1C-E6 | LG375N1C-E6 | LG370N1C-E6 | LG365N1C-E6 | LG360N1C-E6

Electrical Properties (STC*)

Model		LG390N1C-E6	LG385N1C-E6	LG380N1C-E6	LG375N1C-E6	LG370N1C-E6	LG365N1C-E6	LG360N1C-E6
Maximum Power (Pmax)	[W]	390	385	380	375	370	365	360
MPP Voltage (Vmpp)	[V]	35.8	35.5	35.1	34.8	34.4	34.1	33.8
MPP Current (Impp)	[A]	10.92	10.88	10.85	10.80	10.76	10.73	10.68
Open Circuit Voltage (Voc, ± 5%)	[V]	42.4	42.0	41.7	41.3	40.9	40.5	40.2
Short Circuit Current (Isc, ± 5%)	[A]	11.49	11.44	11.39	11.35	11.30	11.25	11.19
Module Efficiency	[%]	21.2	20.9	20.6	20.4	20.1	19.8	19.5
Power Tolerance		0 ~ +3						

* STC (Standard Test Condition) : Irradiance 1,000W/m², Cell temperature 25°C, AM 1.5, Measure tolerance of Pmax : ±3%

Electrical Properties (NMOT)

Model		LG390N1C-E6	LG385N1C-E6	LG380N1C-E6	LG375N1C-E6	LG370N1C-E6	LG365N1C-E6	LG360N1C-E6
Maximum Power (Pmax)	[W]	294	291	287	283	279	276	272
MPP Voltage (Vmpp)	[V]	33.6	33.4	33.0	32.7	32.4	32.1	31.8
MPP Current (Impp)	[A]	8.75	8.72	8.69	8.65	8.62	8.60	8.56
Open Circuit Voltage (Voc)	[V]	39.9	39.5	39.2	38.8	38.5	38.1	37.8
Short Circuit Current (Isc)	[A]	9.25	9.21	9.17	9.14	9.10	9.06	9.01

General Data

Cell Properties (Material / Type)	Monocrystalline / N-type
Cell Maker	LG
Cell Configuration	120 Cells (6 x 20)
Number of Busbar	9EA
Module Dimensions (L x W x H)	1,768 x 1,042 x 40mm
Weight	18.5kg
Glass (Material)	Tempered Glass with AR coating
Backsheet (Color)	White
Frame (Material)	Anodized Aluminium
Junction Box (Protection Degree)	IP 68 with 3 Bypass Diodes
Cables (Length)	1,200mm x 2EA
Connector (Type / Maker)	MC4 / MC

Operating Conditions

Operating Temperature	[°C]	-40 ~ +85
Maximum System Voltage	[V]	1,000
Maximum Series Fuse Rating	[A]	20
Mechanical Test Load (Front)	[Pa]	5,400
Mechanical Test Load (Rear)	[Pa]	4,000

Temperature Characteristics

NMOT*	[°C]	42 ± 3
Pmax	[%/°C]	-0.33
Voc	[%/°C]	-0.26
Isc	[%/°C]	0.04

* NMOT (Nominal Module Operating Temperature) : Irradiance 800 W/m², Ambient temperature 20°C, Wind speed 1m/s, Spectrum AM1.5

Certifications and Warranty

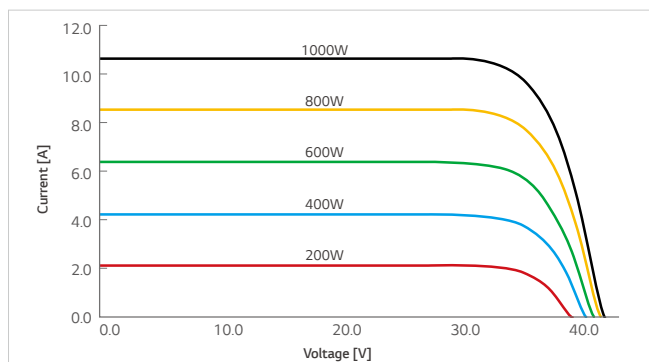
Certifications	IEC 61215-1/-1-1/2 : 2016, IEC 61730-1/2 : 2016
	ISO 9001, ISO 14001, ISO 50001
	OHSAS 18001
Salt Mist Corrosion Test	IEC 61701 : 2012 Severity 6
Ammonia Corrosion Test	IEC 62716 : 2013
Module Fire Performance	Type 1 (UL 61730)
Fire Rating	Class C (UL 790, ULC / ORD C 1703)
Product Warranty	25 Years
Output Warranty of Pmax	Linear Warranty*

* 1) First years : 98.5%, 2) After 1st year : -0.33%/year, 3) 90.6% for 25 years

Packaging Configuration

Number of Modules Per Pallet	[EA]	25
Number of Modules Per 40ft HQ Container	[EA]	650
Packaging Box Dimensions (L x W x H)	[mm]	1,790 x 1,120 x 1,221
Packaging Box Gross Weight	[kg]	498

I-V Curves



Dimensions (mm/inch)

