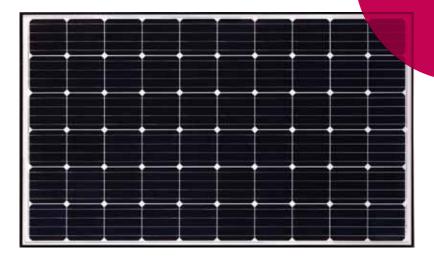


Innovation for a Better Life





LG300S1C-A5 LG295S1C-A5 LG290S1C-A5

60 cell

LG MonoX® Plus is LG Electronics' high-quality monocrystalline module. The quality is the result of our strong commitment to developing a module to improve benefits for customers. Features of MonoX® Plus include durability, convenient installation, and aesthetic exterior.











Enhanced Performance Warranty

LG Mono X® Plus has an enhanced performance warranty. The initial degradation of cells has -2%, and the annual rate of degradation has fallen -0.55%/yr.



Improved Product Warranty

As well as the enhanced performance warranty, LG Mono X® Plus is covered by product warranty for 12 years.



Reduced LID

LG Mono X^{\circledR} Plus has reduced the initial degradation of solar cells by applying LG's new LiLY (LID-improvement for Lifetime Yield) Technology, which controls the reaction of Boron and Oxygen, the main cause of LID (Light Induced Degradation).



Light and Convenient

LG Mono X® Plus has been carefully designed, it weighs just 18.0kg(39.69 lb) and has better grips that allow for quick installation.

About LG Electronics



Mechanical Properties

Cells	6 x 10
Cell Vendor	LG
Cell Type	Monocrystalline / P-type
Cell Dimensions	161.7 x 161.7 mm / 6 inches
# of Busbar	4
Dimensions (L x W x H)	1686 x 1016 x 40 mm
	66.38 x 40 x 1.57 inch
Front Load	6000Pa
Rear Load	5400Pa
Weight	18 kg
Connector Type	MC4
Junction Box	IP67 with 3 Bypass Diodes
Cables	1000 mm x 2 ea / 39.37 in x 2 ea
Glass	High Transmission Tempered Glass
Frame	Anodized Aluminium

Certifications and Warranty

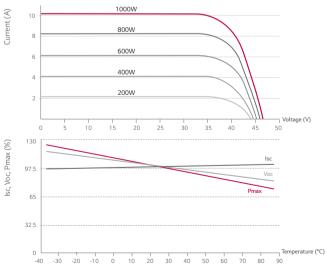
Certifications	IEC 61215, IEC 61730-1/-2 UL 1703		
	IEC 61701 (Salt mist corrosion test)		
	IEC 62716 (Ammonia corrosion test)		
	ISO 9001		
Module Fire Performance (USA)	Type 1		
Fire Rating (CANADA)	Class C (ULC / ORD C1703)		
Product Warranty	12 years		
Output Warranty of Pmax	Linear warranty**		

^{** 1) 1}st year : 98%, 2) After 2nd year : 0.55% annual degradation, 3) 25 years : 84.8%

Temperature Characteristics

NOCT	45 ± 3 ℃	
Pmpp	-0.41%/°C	
Voc	-0.30%/°C	
lsc	0.03 %/°C	

Characteristic Curves



Electrical Properties (STC *)

Module	300W	295W	290W	
Maximum Power (Pmax)	300	295	290	
MPP Voltage (Vmpp)	31.6	31.3	31.0	
MPP Current (Impp)	9.50	9.43	9.36	
Open Circuit Voltage (Voc)	38.9	38.6	38.3	
Short Circuit Current (Isc)	10.07	10.02	9.97	
Module Efficiency	17.5	17.2	16.9	
Operating Temperature	-40 ~ +90			
Maximum System Voltage	1000			
Maximum Series Fuse Rating	20			
Power Tolerance (%)	0~+3			

^{*} STC (Standard Test Condition): Irradiance 1000 W/m², Ambient Temperature 25 °C, AM 1.5

Electrical Properties (NOCT*)

Module	300W	295W	290W	
Maximum Power (Pmax)	220	216	212	
MPP Voltage (Vmpp)	29.1	28.7	28.4	
MPP Current (Impp)	7.56	7.53	7.47	
Open Circuit Voltage (Voc)	36.0	35.7	35.4	
Short Circuit Current (Isc)	8.10	8.06	8.02	

^{*} NOCT (Nominal Operating Cell Temperature): Irradiance 800W/ m^2 , ambient temperature 20 °C, wind speed 1m/s

Dimensions (mm/in)







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Product specifications are subject to change without notice.

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