LG
Life's Good

With LG,
it's all possible.

MonoX® ACe

LG300A1C-B3 PerfectAC™ Module

60 cell

LG AC module is a high-efficiency module developed by LG Electronics. Our R&D concentrates on developing a product that is not only efficient, but strives to increase practical value for customers. The end result is a module which uses highly efficient n-type materials, an elaborate process control adopting a semiconductor processing solution and double-sided structure.

UL LISTED

Trusted Company

LG AC module has developed from an electronics company with an extensive technical history and has product limited warranty by a financially stable brand.

All-in-one Design

LG AC module combines the module and inverter in a single unit. It provides clean appearance, reduced cable work and increased energy yield.

Max Performer AC Output

LG AC module features the max performer output among the products. It means more power generation per square foot.

* 305W AC output for single phase

Monitoring Anywhere

LG provides advanced Web-based solution and stable environment with in-house server operation. Users can monitor power generation through the internet.

About LG Electronics

LG Electronics is a multinational corporation committed to expanding its capacity with solar energy business as its future growth engine. Our solar energy source research program was launched in 1985, backed by LG Group's rich experience in semi-conductors, LCD, chemistry and electronic materials industry. We successfully released the first MonoX® series to the market in 2010 which exported to 32 countries in 2 years. In 2013, MonoX® NeON won "Intersolar Award", which proved its leading innovation in the industry.

MonoX® ACe

LG300A1C-B3

Mechanical Properties

Cells	6 x 10
Cell Vendor	LG
Cell Type	Monocrystalline
Cell Dimensions	156.5 x 156.5 mm / 6 x 6 in
# of Busbar	3
Dimensions (L x W x H)	1640 x 1000 x 35 mm 64.57 x 39.37 x 1.38 in
Weight	18.0 ± 0.5 kg
Maximum Static Load	50 psf
Cooling	Natural convection - No fans
Enclosure Environmental Rating	Outdoor - NEMA type 6
Ambient Temperature Range	-40°C to + 65°C
Operating Temperature Range	-40°C to + 90°C
Glass	High transmission tempered glass
Frame	Anodized aluminum
Inverter Model (Utility Interactive)	LM305UE-G1

Certifications and Warranty

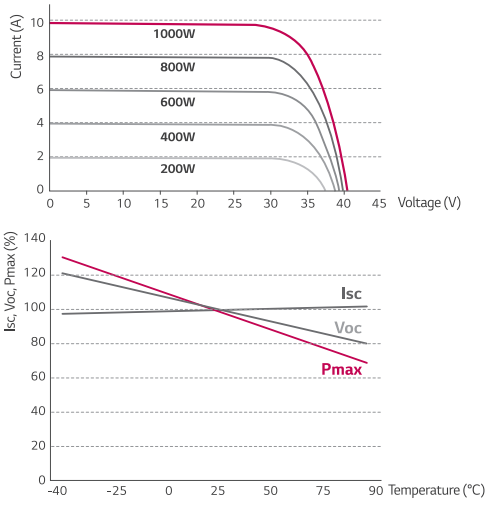
Certifications	UL 1703, UL 1741, IEEE 1547, FCC Part 15 Class B, ISO9001 CAN/CSA-C22.2 NO. 107.1-01
Limited Product Warranty	10 years
Output warranty of Pmax(DC) **(measurement Tolerance ± 3%)**	Linear warranty*

* 1) 1st year: 98%, 2) After 2nd year: 0.7%p annual degradation, 3) 81.2% for 25 years

Temperature Coefficients(DC)

NOCT	45 ± 2 °C
Pmpp	-0.41 %/°C
Voc	-0.29 %/°C
Isc	0.04 %/°C

Characteristic Curves(DC)



DC Electrical Properties

Power (STC*)	300W
Module Efficiency (%)	18.3
Efficiency Reduction **(from 1000 W/m² to 200 W/m²)**	< 2.0%

* STC (Standard Test Condition): Irradiance 1000 W/m2, module temperature 25 °C, AM 1.5
* The nameplate power output is measured and determined by LG Electronics at its sole and absolute discretion.

Inverter Electrical Properties

	@240VAC	@208VAC
Rated Continuous Output Power (W)	305	300
CEC Weighted Efficiency (%)	96.5	96.0
Rated Output Current (A)	1.27	1.44
Nominal Voltage Range (V)	211~264	187~229
Nominal Frequency / Range (Hz)	60.0 / 57.0~60.5	
Power Factor	> 0.95	
Max. Branch Circuit Over Current Protection (Aac)	20	

AC Electrical Properties

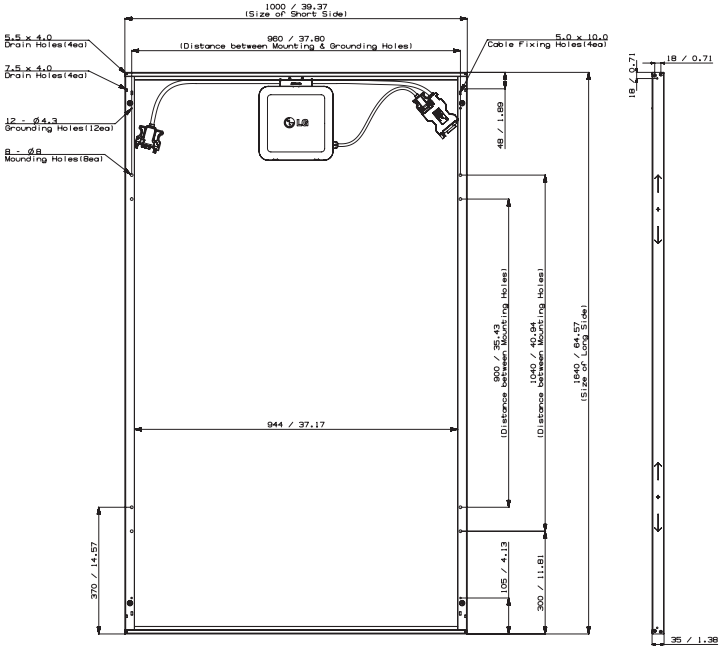
	@240VAC	@208VAC
AC Continuous Output Power**	285 W	
Number of Maximum AC Modules	12 ea	11 ea

** Power(DC) x Weighted Efficiency(%); Figure above accounts for 5W power tolerance.

Features

Communication	Broadband PLC
Monitoring	Web Based

Dimensions (mm/in)



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