



Mono

390W Module

LS-HM660-365-390

Introduction

This time-tested legacy module series has been proven to be one of the powerful and most reliable products offered by LS Solar and the most popular choice by PV system installers and customers around world.



M busbar solar cell design



Low cost



Anti-PID

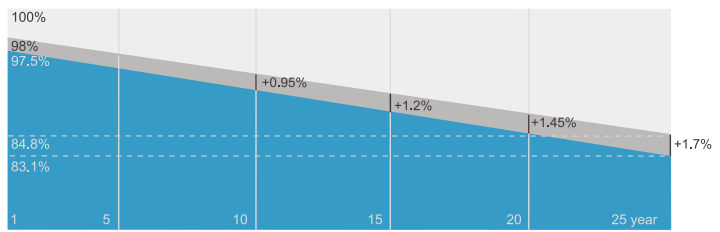


Highly reliable due to strict quality control

Superior Warranty

- 12-year product warranty
- 25-year linear power output warranty

0,55% Annual Degradation Over 25 years



■ LS Linear Power Warranty ■ Industry Warranty

Comprehensive Certificates

- IEC 61215, IEC 61730, IEC TS 62804, IEC 61701, IEC 62716, IEC 60068-2-68
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- OHSAS 18001: 2007 Occupational health and safety management systems
- IEC TS 62941: 2016 Terrestrial photovoltaic (PV) modules – Guidelines for increased confidence in PV module design qualification and type approval



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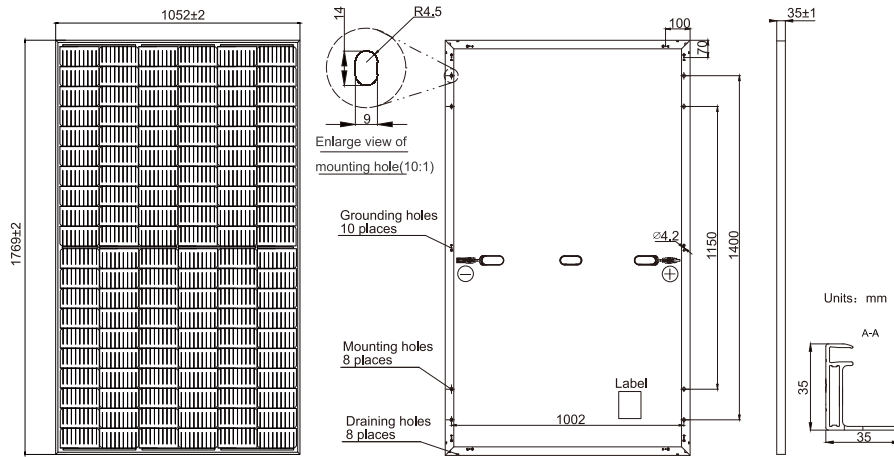
www.lustersolar.com

Specifications subject to technical changes and tests. Luster Solar reserves the right of final interpretation.



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MECHANICAL DIAGRAMS



Remark: customized frame color and cable length available upon request

SPECIFICATIONS

Cell	Mono
Weight	20.5kg±3%
Dimensions	1769±2mm×1052±2mm×35±1mm
Cable Cross Section Size	4mm ² (IEC) ,12 AWG(UL)
No. of cells	120(6×20)
Junction Box	IP68, 3 diodes
Connector	MC4 Compatible
Cable Length (Including Connector)	Portrait:300mm(+)/400mm(-); Landscape:1000mm(+)/1000mm(-)
Packaging Configuration	31pcs/Pallet 806pcs/40ft Container

ELECTRICAL PARAMETERS AT STC

TYPE	LS-HM660 -365	LS-HM660 -370	LS-HM660 -375	LS-HM660 -380	LS-HM660 -385	LS-HM660 -390
Rated Maximum Power(Pmax) [W]	365	370	375	380	385	390
Open Circuit Voltage(Voc) [V]	41.13	41.30	41.45	41.62	41.78	41.94
Maximum Power Voltage(Vmp) [V]	33.96	34.23	34.50	34.77	35.04	35.33
Short Circuit Current(Isc) [A]	11.30	11.35	11.41	11.47	11.53	11.58
Maximum Power Current(Imp) [A]	10.75	10.81	10.87	10.93	10.99	11.04
Module Efficiency [%]	19.6	19.9	20.2	20.4	20.7	21.0
Power Tolerance	0~+5W					
Temperature Coefficient of Isc(α_{Isc})	+0.044%/°C					
Temperature Coefficient of Voc(β_{Voc})	-0.272%/°C					
Temperature Coefficient of Pmax(γ_{Pmp})	-0.350%/°C					
STC	Irradiance 1000W/m ² , cell temperature 25°C, AM1.5G					

Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

ELECTRICAL PARAMETERS AT NOCT

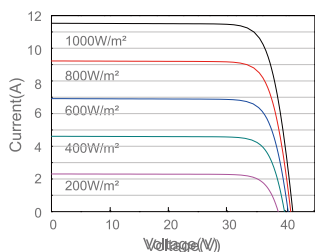
TYPE	LS-HM660 -365	LS-HM660 -370	LS-HM660 -375	LS-HM660 -380	LS-HM660 -385	LS-HM660 -390
Rated Max Power(Pmax) [W]	276	280	284	287	291	295
Open Circuit Voltage(Voc) [V]	38.41	38.65	38.89	39.14	39.38	39.63
Max Power Voltage(Vmp) [V]	32.05	32.30	32.55	32.72	32.96	33.20
Short Circuit Current(Isc) [A]	9.15	9.20	9.25	9.30	9.35	9.40
Max Power Current(Imp) [A]	8.61	8.66	8.71	8.78	8.83	8.88
NOCT	Irradiance 800W/m ² , ambient temperature 20°C, wind speed 1m/s, AM1.5G					

OPERATING CONDITIONS

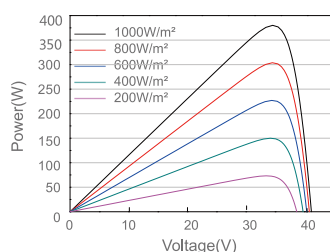
Maximum System Voltage	1000V/1500V DC
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	20A
Maximum Static Load,Front	5400Pa (112 lb/ft ²)
Maximum Static Load,Back	2400Pa (50 lb/ft ²)
NOCT	45±2°C
Safety Class	Class II
Fire Performance	UL Type 1

CHARACTERISTICS

Current-Voltage Curve LS-HM660-380



Power-Voltage Curve LS-HM660-380



Current-Voltage Curve LS-HM660-380

