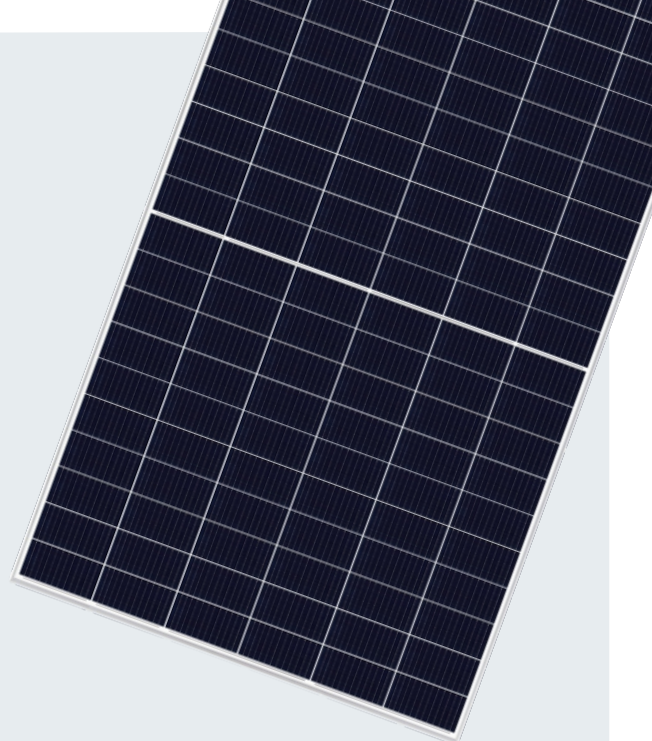




M12 SERIES

EM120H 580~600W



M12 SERIES

LDK redefined the high-efficiency module series by integrating 210mm silicon wafers with multi-busbar and half-cut cell technologies. LDK module combined creative technology and extremely improved the module efficiency and power output.

KEY FEATURES

1500V Higher system voltages can effectively reduce BOS

Lower operating temperature and temperature coefficient, obtain higher profit

Significantly reduce the effect of hot spot temperature and shadow shielding

Half-cut design for better mechanical load performance

Ease of use in more demanding environments

PRODUCT CERTIFICATION

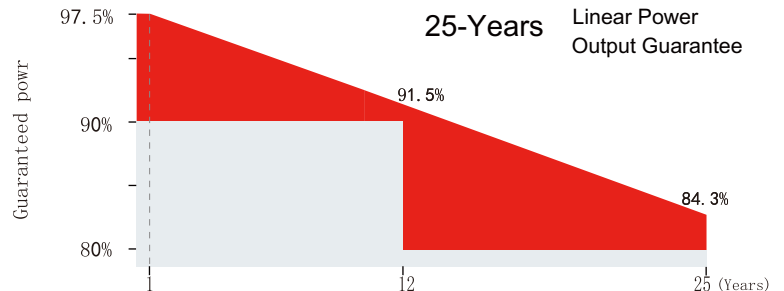


LDK is a leading manufacturer and service provider of professional PV cells and modules that can be widely utilized in residence, commerce and ground PV plant.

LDK provides PV products with exceptional power output and reliability by integrating rigorous design, advanced production technology and fully automatic production equipment. Strict quality control and test standards confirm its pursuit of high quality output.

WARRANTY

12-Years Product Guarantee & Technical Support
25-Years Linear Power Output Guarantee



MANAGEMENT SYSTEM

ISO9001:2015
ISO14001:2015
ISO45001:2018

XinYu LDK Power Supply Technology Co.,Ltd

ADD: No. 1950 SaiWei Avenue, High-Tech, Industrial Development Zone, XinYu City, JiangXi Province, P.R. CHINA

ELECTRICAL PARAMETERS@STC EM120H 580~600W

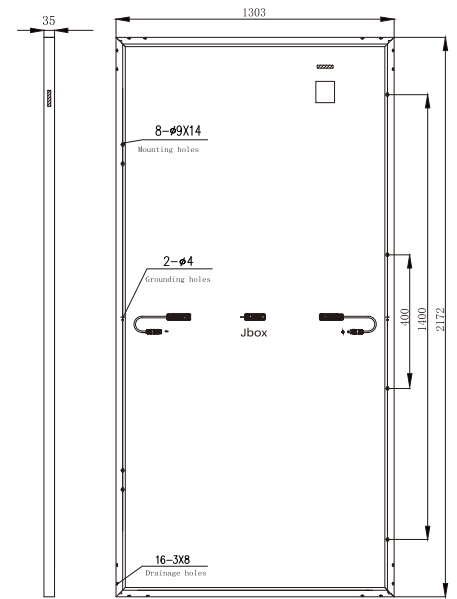
Max. Power Output	Pmax (Wp)	580	585	590	595	600
Power Tolerance	(%)	0~+3	0~+3	0~+3	0~+3	0~+3
Max. Power Voltage	Vmp (V)	33.94	34.12	34.32	34.50	34.70
Max. Power Current	Imp (A)	17.10	17.15	17.20	17.25	17.30
Open Circuit Voltage	Voc (V)	40.80	41.00	41.20	41.40	41.60
Short Circuit Current	Isc (A)	18.11	18.16	18.21	18.26	18.32
Module Efficiency	(%)	20.49	20.67	20.85	21.02	21.20

STC (Standard Test Condition): Module 1000W/m², Cell Temperature 25°C, Air Mass 1.5.

ELECTRICAL PARAMETERS@NMOT

Max. Power Output	Pmax (W)	439	443	447	450	454
Max. Power Voltage	Vmp (V)	31.47	31.67	31.84	31.96	32.15
Max. Power Current	Imp (A)	13.95	13.99	14.04	14.08	14.12
Open Circuit Voltage	Voc (V)	37.94	38.13	38.32	38.50	38.69
Short Circuit Current	Isc (A)	14.85	14.89	14.93	14.97	15.02

Nominal Module Operating Temperature (NMOT), Irradiance of 800W/m², Spectrum AM 1.5, Ambient Temperature 20°C, Wind Speed 1m/s.



TEMPERATURE COEFFICIENTS

Temperature Coefficients of Pmax	-0.32%/°C
Temperature Coefficients of Voc	-0.26%/°C
Temperature Coefficients of Isc	+0.054%/°C

MECHANICAL PARAMETERS

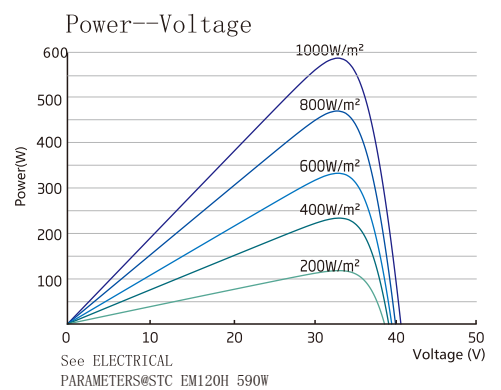
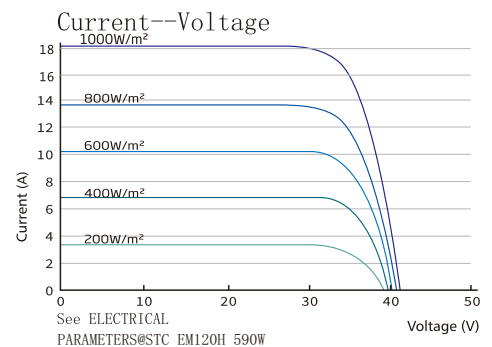
Cell Type	Mono 210×105mm
Number of Cells	120pcs (2×(6×10))
Dimensions (L*W*H)	2172×1303×35mm
Weight	30kg
Frame	Anodized Aluminum
Junction Box	Ip68
Cable, Length	4mm ² /350mm

OPERATING CONDITION

Maximum System Voltage(V)	1500(DC)
Operating Temperature(°C)	-40~+85
Max. Wind Load / Snow Load(Pa)	2400/5400
Max. Over Current(A)	25
Application Class	ClassA
Fire Rating	ClassC
NMOT(°C)	42±3

PACKAGE INFORMATION

Per Pallet	31PCS
40' HQ	620PCS



*Power measurement tolerance: ±3%

*No notice when product specifications change

Dealer information



XinYu LDK Power Supply Technology Co.,Ltd

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