








M10 SERIES

DM120HBG 430~450W

M10 SERIES

LDK redefined the high-efficiency module series by integrating 182 mm 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

-  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

MANAGEMENT SYSTEM

- ISO9001:2015
- ISO14001:2015
- ISO45001:2018

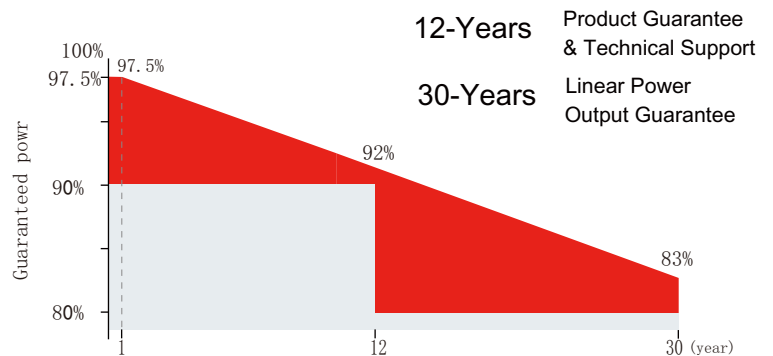
PRODUCT CERTIFICATION



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



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 DM120HBG 430~450W

Max. Power Output Pmax (W)	430	435	440	445	450
Power Tolerance	0~+3	0~+3	0~+3	0~+3	0~+3
Max. Power Voltage Vmp (V)	33.73	33.84	33.95	34.07	34.18
Max. Power Current Imp (A)	12.85	12.93	13.01	13.09	13.17
Open Circuit Voltage Voc (V)	40.83	40.94	41.05	41.17	41.28
Short Circuit Current Isc (A)	13.53	13.61	13.69	13.77	13.85
Module Efficiency (%)	19.79	20.02	20.25	20.48	20.71
Refer.Bifacial Factor %	70±5	70±5	70±5	70±5	70±5
5% Maximum Power (Pmax)	451.5	456.8	462.0	467.3	472.5
5% Module Efficiency STC(%)	20.78	21.02	21.26	21.51	21.75
15% Maximum Power (Pmax)	494.5	500.3	506.0	511.8	517.5
15% Module Efficiency STC(%)	22.76	23.02	23.29	23.55	23.82
25% Maximum Power (Pmax)	537.5	543.8	550.0	556.3	562.5
25% Module Efficiency STC(%)	24.74	25.03	25.31	25.60	25.89

(Standard Test Condition)STC : Irradiance 1000W/m² , Module Temperature 25°C, AM 1.5 .

ELECTRICAL PARAMETERS@NMOT

Max. Power Output Pmax (W)	322	326	329	332	335
Max. Power Voltage Vmp (V)	31.36	31.48	31.60	31.71	31.83
Max. Power Current Imp (A)	10.28	10.34	10.40	10.46	10.52
Open Circuit Voltage Voc (V)	38.53	38.64	38.75	38.86	38.96
Short Circuit Current Isc (A)	10.93	10.99	11.06	11.12	11.19

(Nominal Module Operating Temperature)NMOT: Irradiance 800W/ m², Ambient Temperature 20°C, AM 1.5 ,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

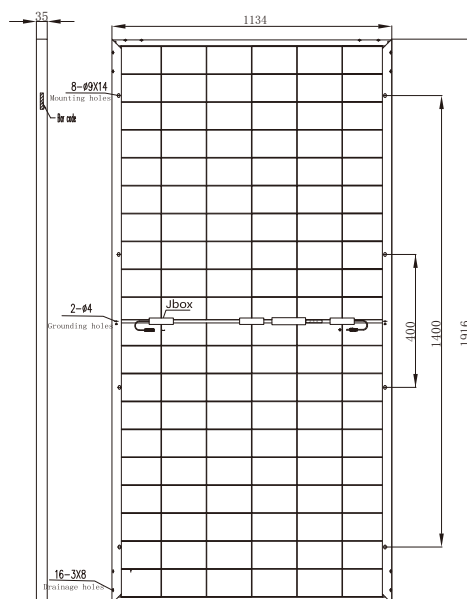
Cell Type	Mono 182×91mm
Number of Cells	120pcs (2×(6×10))
Dimensions (L*W*H)	1916×1134×35mm
Weight	27.5kg
Frame	Anodized Aluminum
Junction Box	Ip68
Cable, Length	4mm ² /350mm

OPERATING CONDITION

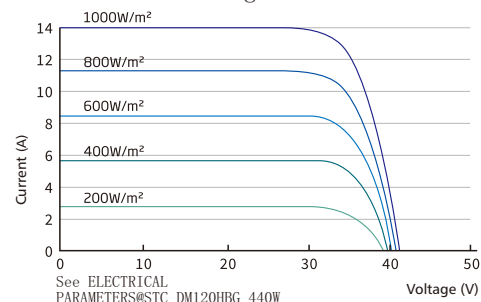
Maximum System Voltage(V)	1500(DC)
Operating Temperature(°C)	-40~+85
Max. Wind Load / Snow Load(Pa)	2400/5400
Max. Over Current(A)	25A
Application Class	ClassA
Fire Rating	ClassB
NMOT(°C)	42±3

PACKAGE INFORMATION

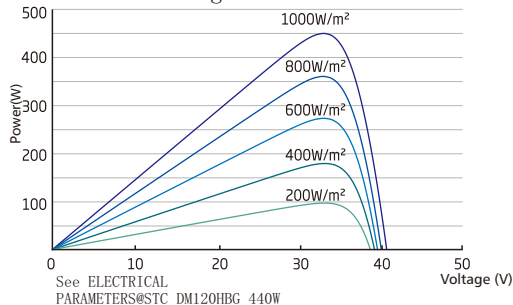
Per Pallet	31PCS
40' HQ	744PCS



Current--Voltage



Power--Voltage



*Power measurement tolerance: ±3%

*No notice when product specifications change

Dealer information

XinYu LDK Power Supply Technology Co.,Ltd

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