



M10 SERIES

BIFACIAL DOBULE GLASS MODULE






DM120HBG 430~450W



M10 SERIES

LDK redefined the high-efficiency module series by integrating 182mm silicon wafers with multi-busbar and half-cut cell technologies. LDK module combined creative technology effectively 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

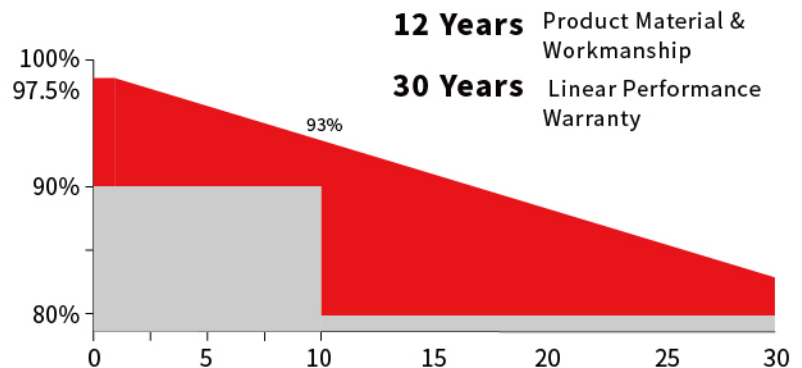
- ISO9001:2015
- ISO14001:2015
- OHSAS18001:2007



LDK is a leading manufacturer and service provider of professional photovoltaic cells and modules that can be widely utilized in residence, commerce and ground photovoltaic 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-430~450

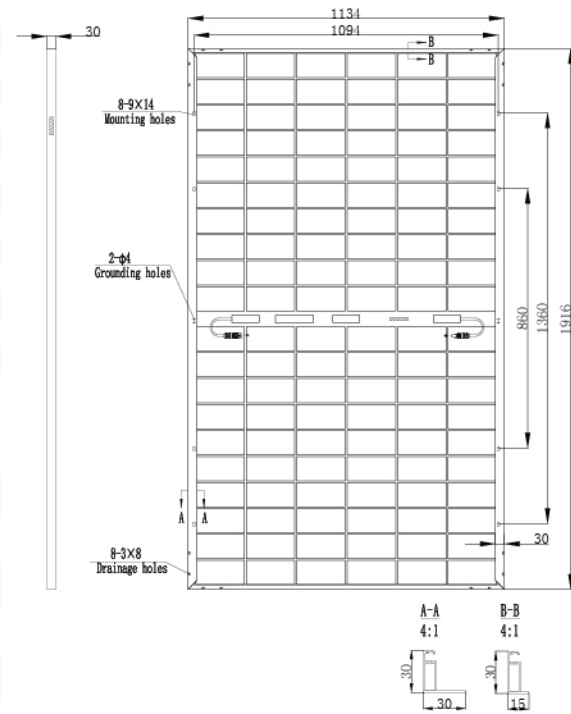
Max. Power Output Pmax (W)	430	435	440	445	450
Power Tolerance	0~+3%	0~+3%	0~+3%	0~+3%	0~+3%
Max. Power Voltage Vmp (V)	33.73	33.84	33.95	34.07	34.18
Max. Power Current Imp (A)	12.85	12.93	13.01	13.09	13.17
Open Circuit Voltage Voc (V)	40.83	40.94	41.05	41.17	41.28
Short Circuit Current Isc (A)	13.53	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)	452	457	462	467	473
5% Module EfficiencySTC (%)	20.78	21.02	21.26	21.51	21.75
15% Maximum Power(Pmax)	495	500	506	512	518
15% Module EfficiencySTC (%)	22.76	23.02	23.29	23.55	23.82
25% Maximum Power(Pmax)	538	544	550	556	563
25% Module EfficiencySTC (%)	24.74	25.03	25.31	25.60	25.89

STC (Standard Test Condition): Irradiance 1000W/m², Cell Temperature 25OC, Air Mass 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 of 800W/m², Spectrum AM 1.5, Ambient Temperature 20°C, Wind Speed 1m/s



TEMPERATURE COEFFICIENTS

Temperature Coefficients of Pmp	-0.36%/°C
Temperature Coefficients of Voc	-0.29%/°C
Temperature Coefficients of Isc	+0.048%/°C

MECHANICAL PARAMETERS

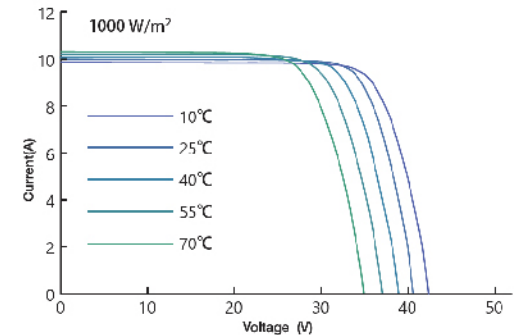
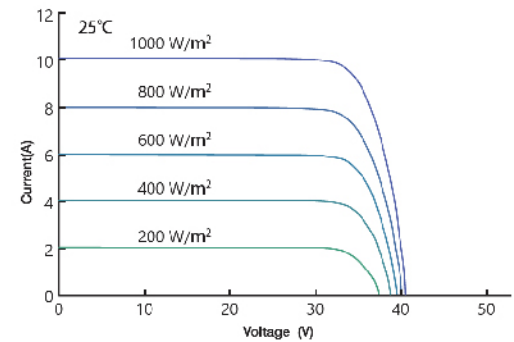
Cell Type	Mono 182×91mm
Number of Cells	120 pcs (2×(6×10))
Dimensions (L*W*H)	1916×1134×30mm
Weight	29kg
Frame	Anodized Aluminum
Junction Box	IP67, 3 bypass diodes
Cable, Length	4mm ² , 350mm

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	Class A
Fire Rating	Class A
NMOT(°C)	42±3

PACKAGE INFORMATION

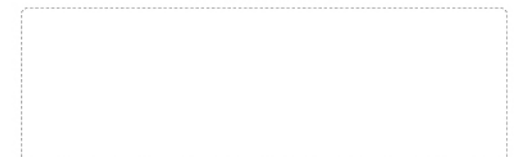
Per Pallet	35
40' HQ	770 (70×11) pcs



*Power measurement tolerance: ±3%

*No notice when product specifications change

Dealer information



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