



M10 SERIES

BIFACILA DOBULE GLASS MODULE






DM144HBG 520~540W



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

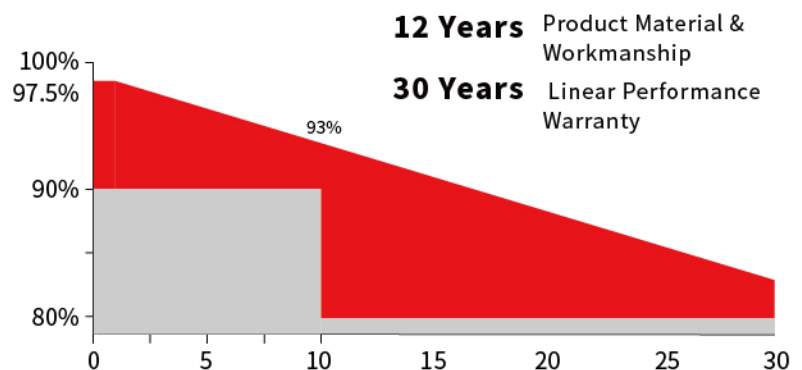
- ISO9001:2015
- ISO14001:2015
- OHSAS18001:2007



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 DM144HBG-520~540

Max. Power Output Pmax (W)	520	525	530	535	540
Power Tolerance	0~+3%	0~+3%	0~+3%	0~+3%	0~+3%
Max. Power Voltage Vmp (V)	40.47	40.61	40.74	40.88	41.01
Max. Power Current Imp (A)	12.85	12.93	13.01	13.09	13.17
Open Circuit Voltage Voc (V)	48.99	49.13	49.26	49.40	49.53
Short Circuit Current Isc (A)	13.53	13.61	13.69	13.77	13.85
Module Efficiency (%)	20.04	20.23	20.43	20.62	20.81
Refer.Bifacial Factor %	70±5	70±5	70±5	70±5	70±5
5% Maximum Power(Pmax)	546	551	557	562	567
5% Module EfficiencySTC (%)	21.04	21.24	21.47	21.66	21.85
15% Maximum Power(Pmax)	598	604	610	615	621
15% Module EfficiencySTC (%)	23.05	23.28	23.51	23.70	23.93
25% Maximum Power(Pmax)	650	656	663	669	675
25% Module EfficiencySTC (%)	25.05	25.28	25.55	25.78	26.02

STC (Standard Test Condition): Irradiance 1000W/m², Cell Temperature 25OC, Air Mass 1.5

ELECTRICAL PARAMETERS@NMOT

Max. Power Output Pmax (W)	387	391	394	398	402
Max. Power Voltage Vmp (V)	37.63	37.78	37.92	38.05	38.19
Max. Power Current Imp (A)	10.28	10.34	10.40	10.46	10.52
Open Circuit Voltage Voc (V)	46.24	46.37	46.50	46.63	46.75
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

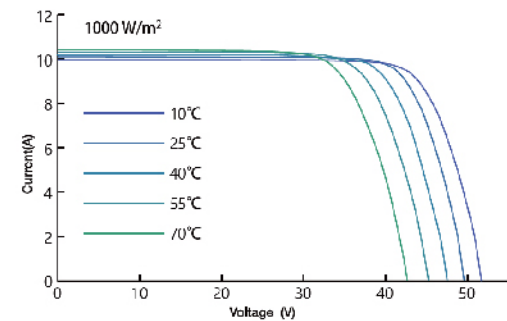
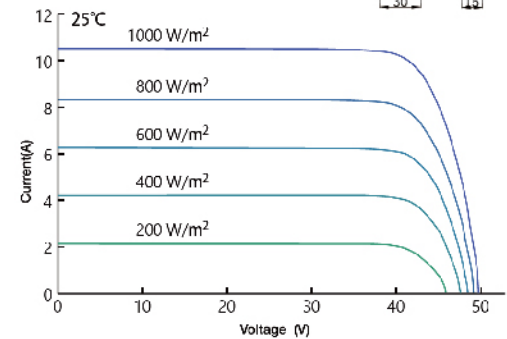
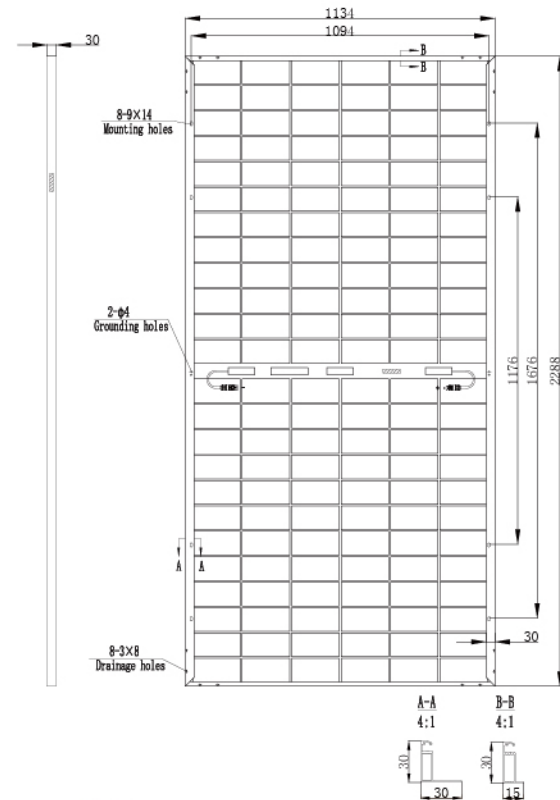
Cell Type	Mono 182×91mm
Number of Cells	144 pcs (2×(6×12))
Dimensions (L*W*H)	2288×1134×30mm
Weight	34.5kg
Frame	Anodized Aluminum
Junction Box	IP67, 3 bypass diodes
Cable, Length	4mm ² , 350mm

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	700 (70×10) pcs



*Power measurement tolerance: ±3%

*No notice when product specifications change

Dealer information



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