



G1 SERIES






BM144H 390~410W



G1 SERIES

LDK redefined the high-efficiency module series by integrating 158.75mm 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

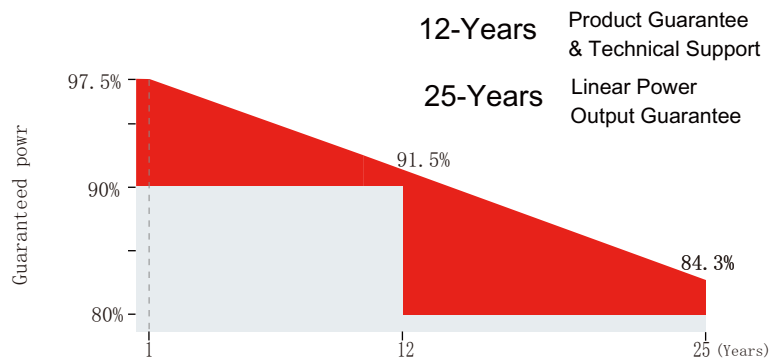
PRODUCT CERTIFICATION



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

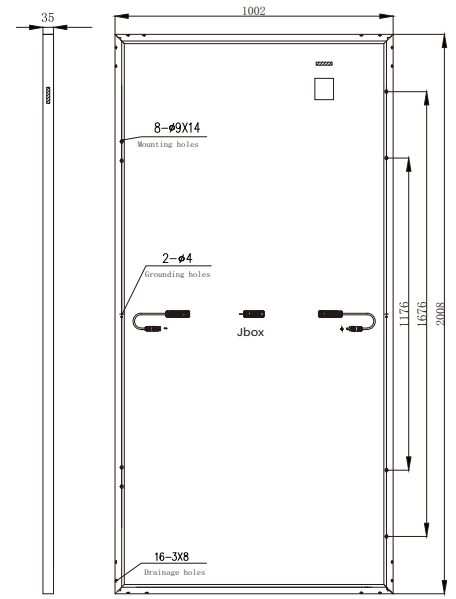
ELECTRICAL PARAMETERS@STC BM144H 390~410W

Max. Power Output	Pmax (Wp)	390	395	400	405	410
Power Tolerance	(%)	0~+3	0~+3	0~+3	0~+3	0~+3
Max. Power Voltage	Vmp (V)	40.93	41.07	41.28	41.46	41.64
Max. Power Current	Imp (A)	9.53	9.62	9.69	9.77	9.85
Open Circuit Voltage	Voc (V)	49.26	49.48	49.71	49.94	50.16
Short Circuit Current	Isc (A)	10.32	10.39	10.46	10.53	10.60
Module Efficiency	(%)	19.38	19.63	19.88	20.13	20.38

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

ELECTRICAL PARAMETERS@NMOT

Max. Power Output	Pmax (W)	295	299	302	306	310
Max. Power Voltage	Vmp (V)	37.81	38.00	38.19	38.39	38.59
Max. Power Current	Imp (A)	7.81	7.86	7.92	7.97	8.03
Open Circuit Voltage	Voc (V)	46.32	46.54	46.74	46.95	47.15
Short Circuit Current	Isc (A)	8.32	8.38	8.44	8.49	8.55

 (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

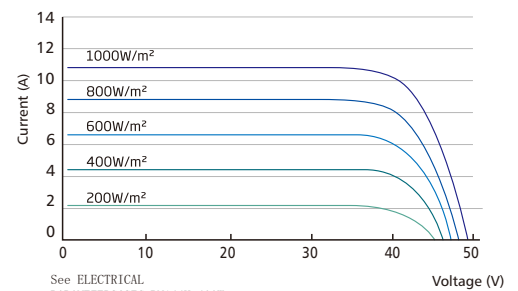
Cell Type	Mono158.75×79.38mm
Number of Cells	144pcs (2×(6×12))
Dimensions (L*W*H)	2008×1002×35mm
Weight	21.5kg
Frame	Anodized Aluminum
Junction Box	Ip68
Cable, Length	4mm ² /350mm

OPERATING CONDITION

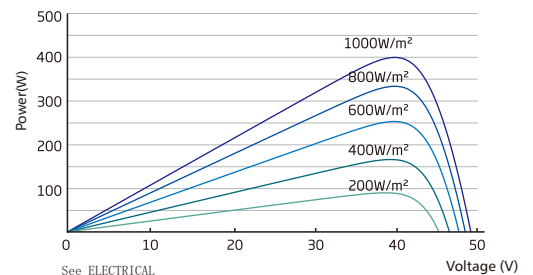
Maximum System Voltage(V)	1500(DC)
Operating Temperature(°C)	-40~+85
Max. Wind Load / Snow Load(Pa)	2400/5400
Max. Over Current(A)	20
Application Class	ClassA
Fire Rating	ClassC
NMOT(°C)	42±3

PACKAGE INFORMATION

Per Pallet	31PCS
40' HQ	682PCS

Current--Voltage


See ELECTRICAL PARAMETERS@STC BM144H 400W

Power--Voltage


See ELECTRICAL PARAMETERS@STC BM144H 400W

*Power measurement tolerance: ±3%

*No notice when product specifications change

Dealer information


XinYu LDK Power Supply Technology Co.,Ltd

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