



M6 SERIES

CM144H 435~455W

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LDK redefined the high-efficiency module series by integrating 166mm 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

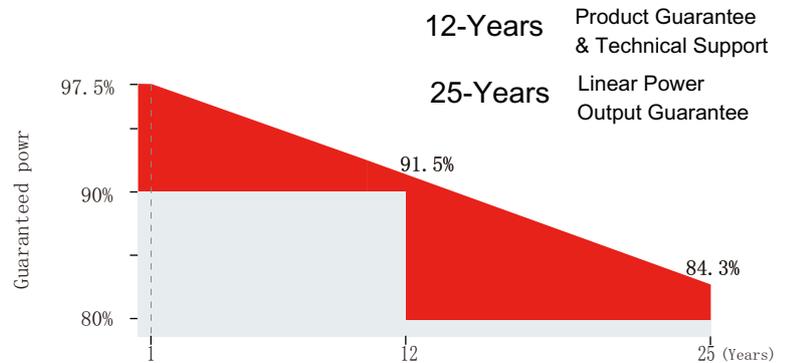
PRODUCT CERTIFICATION



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 CM144H 435~455W

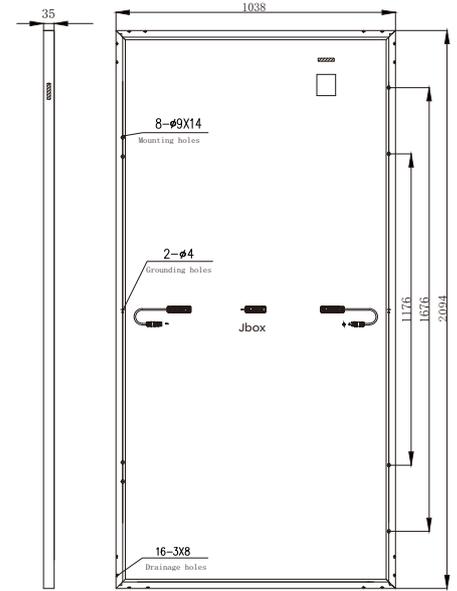
Max. Power Output	P _{max} (Wp)	435	440	445	450	455
Power Tolerance	(%)	0~+3	0~+3	0~+3	0~+3	0~+3
Max. Power Voltage	V _{mp} (V)	41.47	41.67	41.87	42.06	42.46
Max. Power Current	I _{mp} (A)	10.49	10.56	10.63	10.70	10.77
Open Circuit Voltage	V _{oc} (V)	49.85	50.05	50.26	50.43	50.64
Short Circuit Current	I _{sc} (A)	11.15	11.22	11.29	11.36	11.43
Module Efficiency	(%)	20.01	20.24	20.47	20.70	20.93

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

ELECTRICAL PARAMETERS@NMOT

Max. Power Output	P _{max} (W)	327	331	334	338	341
Max. Power Voltage	V _{mp} (V)	38.64	38.82	39.01	39.19	39.28
Max. Power Current	I _{mp} (A)	8.46	8.52	8.57	8.63	8.68
Open Circuit Voltage	V _{oc} (V)	47.38	47.57	47.77	47.93	48.09
Short Circuit Current	I _{sc} (A)	8.99	9.05	9.10	9.16	9.21

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



TEMPERATURE COEFFICIENTS

Temperature Coefficients of P _{max}	-0.32%/°C
Temperature Coefficients of V _{oc}	-0.26%/°C
Temperature Coefficients of I _{sc}	+0.054%/°C

MECHANICAL PARAMETERS

Cell Type	Mono 166×83mm
Number of Cells	144pcs (2×(6×12))
Dimensions (L*W*H)	2094×1038×35mm
Weight	23kg
Frame	Anodized Aluminum
Junction Box	Ip68
Cable, Length	4mm ² /350mm

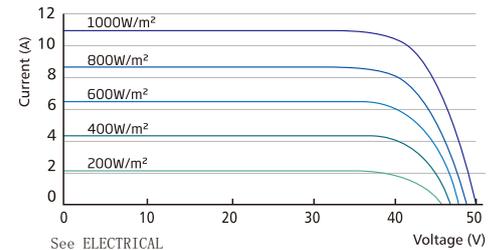
OPERATING CONDITION

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

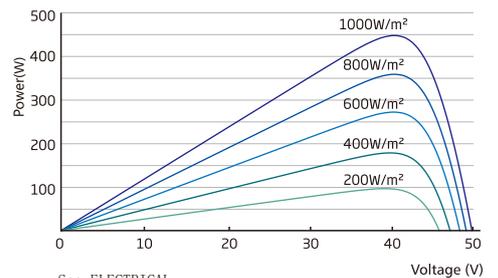
PACKAGE INFORMATION

Per Pallet	31PCS
40' HQ	682PCS

Current--Voltage



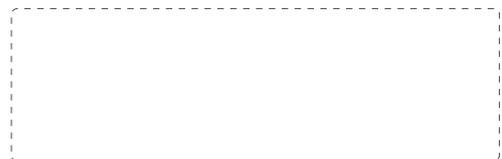
Power--Voltage



*Power measurement tolerance: ±3%

*No notice when product specifications change

Dealer information



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