



M10 SERIES

DM144H 530~550W



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 and extremely improved the module efficiency and power output.

KEY FEATURES

- 1500V** 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

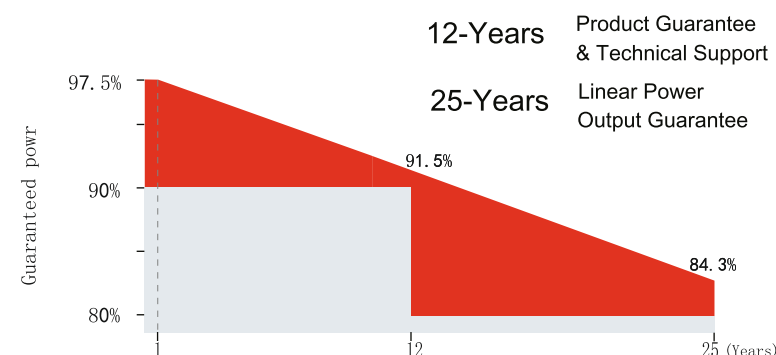
ISO9001:2015
ISO14001:2015
ISO45001:2018

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



"MY SEVEN TECHNOLOGY" LLC
PIN: 307764341
X/R: 20208000805285053001
Kokan sh., "Asakabank" JSC
MFO: 00631



Stock Code : 002529

ELECTRICAL PARAMETERS@STC DM144H 530~550W

Max. Power Output	Pmax (Wp)	530	535	540	545	550
Power Tolerance	(%)	0~+3	0~+3	0~+3	0~+3	0~+3
Max. Power Voltage	Vmp (V)	40.74	40.88	41.01	41.15	41.28
Max. Power Current	Imp (A)	13.01	13.09	13.17	13.25	13.33
Open Circuit Voltage	Voc (V)	49.26	49.40	49.53	49.67	49.80
Short Circuit Current	Isc (A)	13.69	13.77	13.85	13.93	14.01
Module Efficiency	(%)	20.51	20.70	20.89	21.09	21.28

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

ELECTRICAL PARAMETERS@NMOT

Max. Power Output	Pmax (W)	394	398	402	407	411
Max. Power Voltage	Vmp (V)	37.92	38.05	38.19	38.47	38.63
Max. Power Current	Imp (A)	10.40	10.46	10.52	10.58	10.64
Open Circuit Voltage	Voc (V)	46.50	46.63	46.75	46.88	47.01
Short Circuit Current	Isc (A)	11.06	11.12	11.19	11.25	11.32

(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

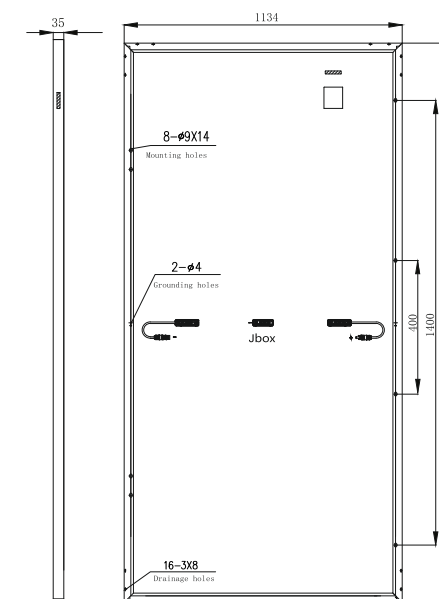
Cell Type	Mono 182×91mm
Number of Cells	144pcs (2×(6×12))
Dimensions (L*W*H)	2279×1134×35mm
Weight	27.5kg
Frame	Anodized Aluminum
Junction Box	Ip68
Cable, Length	4mm ² /350mm

OPERATING CONDITION

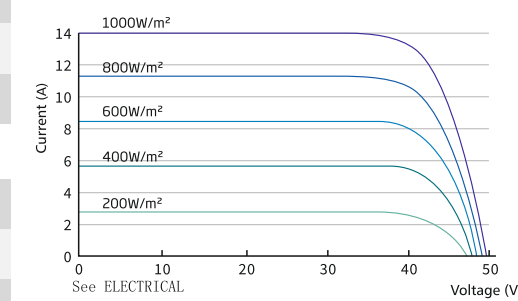
Maximum System Voltage(V)	1500(DC)
Operating Temperature(°C)	-40~+85
Max. Wind Load / Snow Load(Pa)	2400/5400
Max. Over Current(A)	25 A
Application Class	ClassA
Fire Rating	ClassC
NMOT(°C)	42±3 °C

PACKAGE INFORMATION

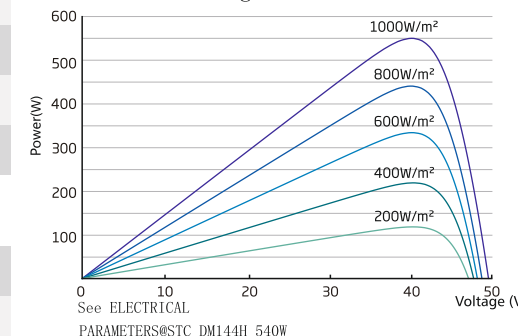
Per Pallet	31PCS
40' HQ	620PCS



Current--Voltage



Power--Voltage



*Power measurement tolerance: ±3%

*No notice when product specifications change

Dealer information



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