M10 SERIES

DM144H 530~550W



M10 SERIES

shiyu redefined the high-efficiency module series by integrating 182mm silicon wafers with multi-busbar and half-cut cell technolo

gies. shi yu module combined creative technology effectively 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
- Harsh environment — Ease of use in more demanding environments

PRODUCT CERTIFICATION

www. tuv. com
ID 1111241419

Jiangsu Shiyu Photoelectric Technology Co., Ltd. is a professional manufacturer of high-efficiency photovoltaic modules.Factory. It adopts the most advanced automatic assembly line in the industry, with the help of advanced production technology And exquisite management, based on the principle of "paying close attention to team management and strictly controlling product quality"From every link, we ensure the high quality and high conversion efficiency of components,Make every effort to ensure the stability and quality reliability of products, and provide customers with higher quality Affordable products and services.

MANAGEMENT SYSTEM

ISO9001:2015
ISO14001:2015
ISO45001:2018

Shiyu Photoelectric Technology Co., Ltd

ADD: No. 3-6, Weiqi Road, Dongtai Development Zone, Jiangsu Province

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ELECTRICAL PARAMETERS@STC DM144H-530~550W

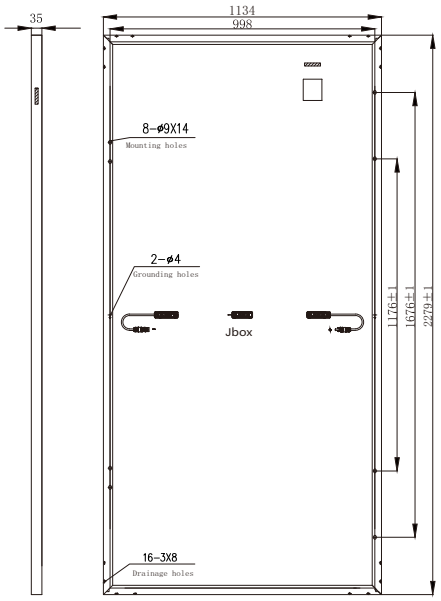
Max. Power Output Pmax (Wp)	530	535	540	545	550
Power Tolerance (%)	0~+3	0~+3	0~+3	0~+3	0~+3
Max. Power Voltage Vmp (V)	40.74	40.88	41.01	41.15	41.28
Max. Power Current Imp (A)	13.01	13.09	13.17	13.25	13.33
Open Circuit Voltage Voc (V)	49.26	49.40	49.53	49.67	49.80
Short Circuit Current Isc (A)	13.69	13.77	13.85	13.93	41.01
Module Efficiency (%)	20.5	20.7	20.9	21.1	21.3

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

ELECTRICAL PARAMETERS@NMOT

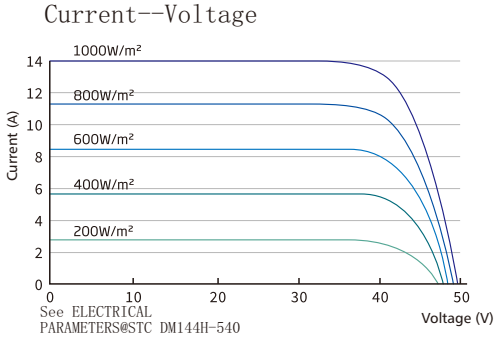
Max. Power Output Pmax (W)	394	398	402	407	411
Max. Power Voltage Vmp (V)	37.92	38.05	38.19	38.5	38.6
Max. Power Current Imp (A)	10.40	10.46	10.52	10.58	10.64
Open Circuit Voltage Voc (V)	46.50	46.63	46.75	46.88	47.01
Short Circuit Current Isc (A)	11.06	11.12	11.19	11.25	11.32

Nominal Module Operating Temperature (NMOT), Irradiance of 800W/ ㎡, Spectrum AM 1.5, Ambient Temperature 20℃, Wind Speed 1m/s



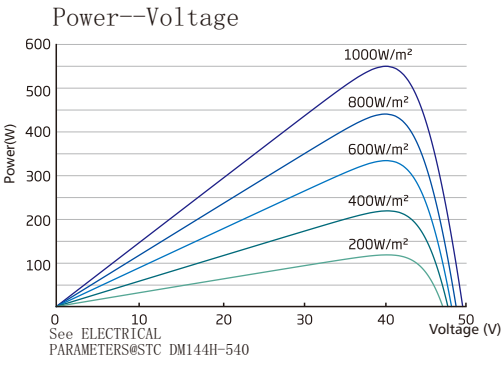
TEMPERATURE COEFFICIENTS

Temperature Coefficients of Pmax	-0.32%/℃
Temperature Coefficients of Voc	-0.26%/℃
Temperature Coefficients of Isc	+0.054%/℃



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	4mm²/300mm



OPERATING CONDITION

Maximum System Voltage(V)	1500(DC)
Operating Temperature(℃)	-40~+85
Max. Wind Load / Snow Load(Pa)	1600/3600
	25A
Application Class	ClassA
Fire Rating	ClassC
NMOT(℃)	42±3

*Power measurement tolerance: ±3%

*No notice when product specifications change

Dealer information

PACKAGE INFORMATION

Per Pallet	31PCS
40’ HQ	620PCS

Jiangsu Shiyu Photoelectric Technology Co., Ltd
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