

M10 Mono Half Cell Module

ZHS2-18X-MDB

525~545W

(Positive power tolerance of 0~+5W)

Key Features



Dual Glass Technology



Higher Power Output



Better Low-light Performance



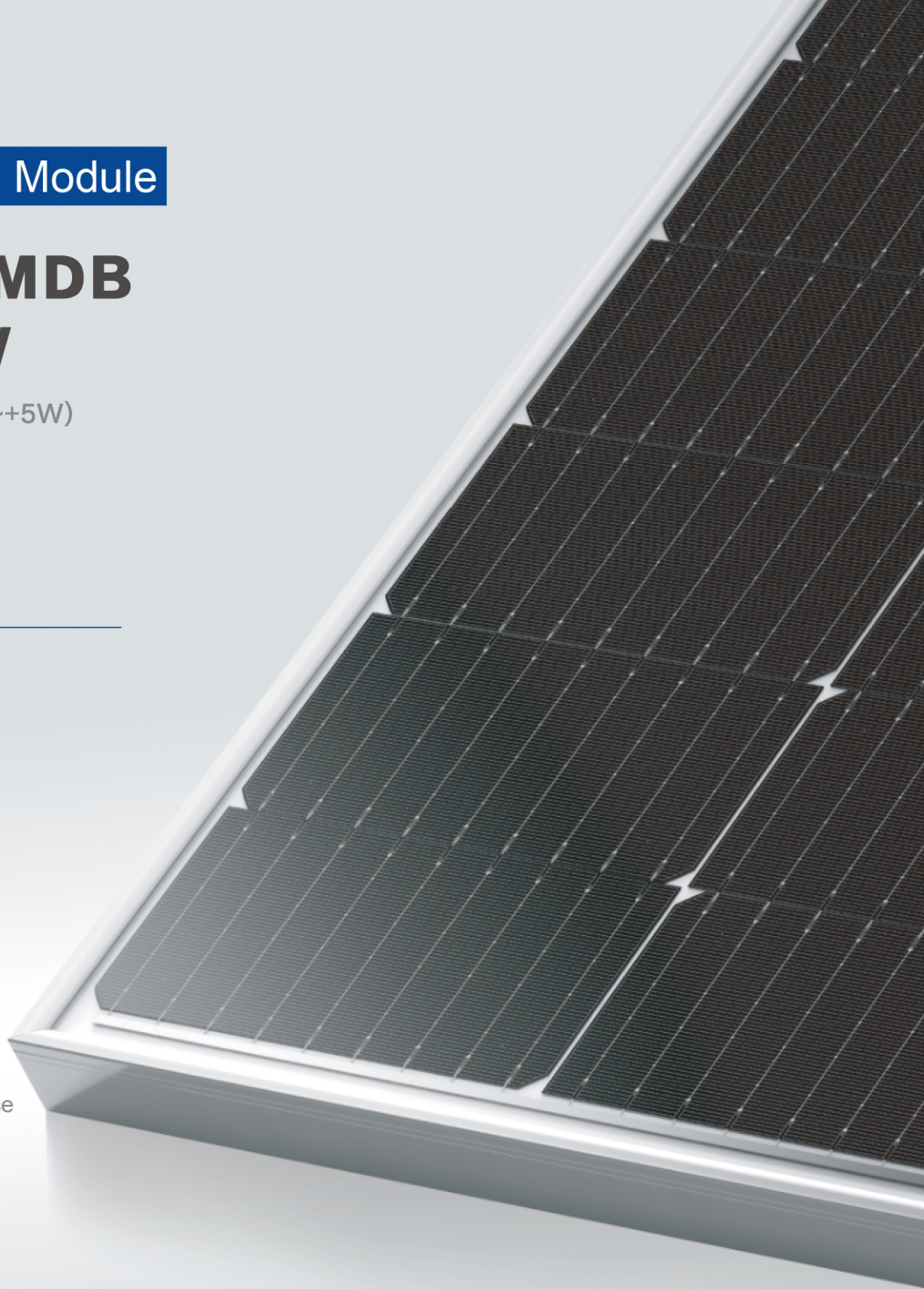
Less Shading Effect



Better Low-light Performance



Enhanced Mechanical Load



IEC61215/IEC61730
ISO9001:Quality Management System
ISO14001:Environmental Management System
ISO45001:Occupational Health and Safety Management System

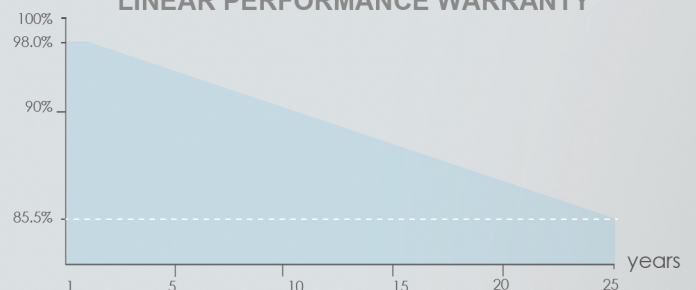
- 12** year Warranty for Materials and Processing
- 25** year Warranty for Extra Linear Power Output
- 0.5%** Annual Degradation Over 25 years



ZH SOLAR



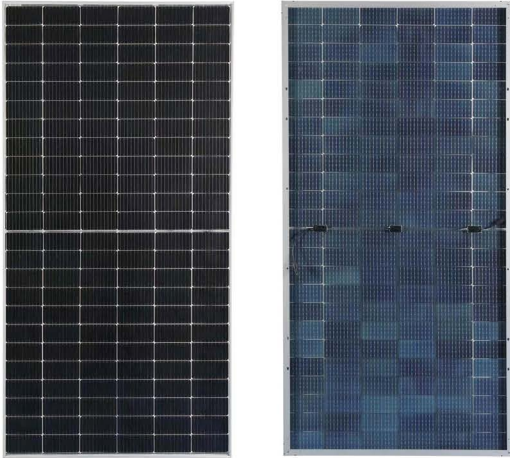
LINEAR PERFORMANCE WARRANTY



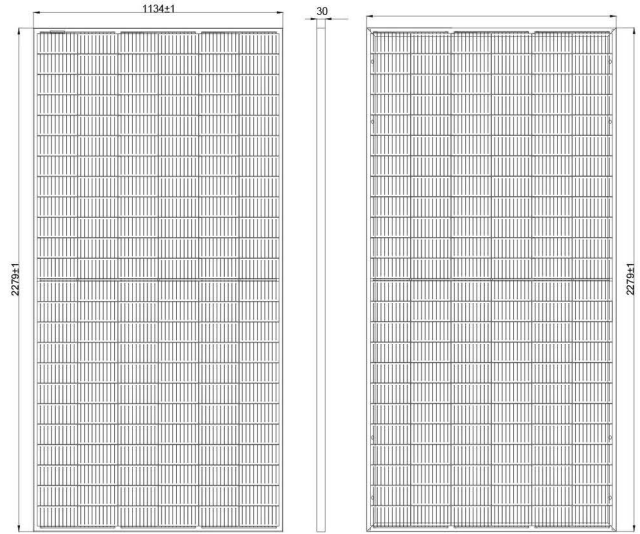
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PHOTOS



ENGINEERING DRAWINGS

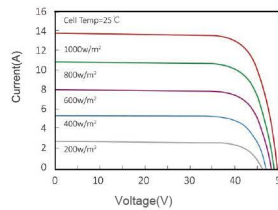


SPECIFICATIONS

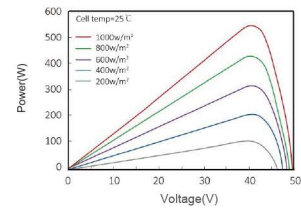
Cell	6×24 mono solar cell
Junction Box	IP≥ 68, TÜV & UL
Cable&Connector	4mm ² , EVO2 or EVO2 compatible
Cable Lenath	300mm or as customer's requirements
Weight	31.4kg
Packing	35pcs/pallet
Loading Capacity	175pcs/20GP 700pcs/40HC

IV CURVES

Current-Voltage Curve (JFS2-18X-MDB)



Power-Voltage Curve (JFS2-18X-MDB)



Module Type	ZHS2-144-525MDB		ZHS2-144-530MDB		ZHS2-144-535MDB		ZHS2-144-540MDB		ZHS2-144-545MDB	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Test Environment	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (W)	525	392.1	530	395.8	535	399.5	540	403.3	545	407.0
Open Circuit Voltage (V)	49.05	45.98	49.20	46.12	49.35	46.26	49.50	46.41	49.65	46.55
Short Circuit Current (A)	13.65	11.04	13.71	11.09	13.78	11.15	13.85	11.20	13.92	11.25
Maximum Power Voltage (V)	41.20	38.36	41.35	38.50	41.50	38.64	41.65	38.78	41.80	38.92
Maximum Power Current (A)	12.75	10.23	12.82	10.28	12.90	10.34	12.97	10.40	13.04	10.46
Module Efficiency (%)	20.3		20.5		20.7		20.9		21.1	
Tolerance	0~+5W									
Maximum System Voltage	1500V(IEC)									
Temp. Coeff. of Voc	-0.270 % / °C									
Temp. Coeff. of Isc	0.048 % / °C									
Temp. Coeff. of Pm	-0.350 % / °C									
Operatinatemperature	40 to 85 °C									
Nominal operating cell temperature (NOCT)	45±2 °C									
Max.Series Fuse	25A									

★ STC: ☀ Irradiance 1000W/m² 🌡 Cell Temperature 25°C ☁ AM=1.5
NOCT: ☀ Irradiance 800W/m² 🌡 Ambient Temperature 20°C ☁ AM=1.5 🌬 Wind Speed 1m/s