

M10 Mono Half Cell Module

ZHS2-144-18X

530~550W

(Positive power tolerance of 0~+5W)

Key Features



MBB Half Cut Cell With PERC Technology



Higher Power Output



Better Low-light Performance



Less Shading Effect



PID Resistance



Enhanced Mechanical Load



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

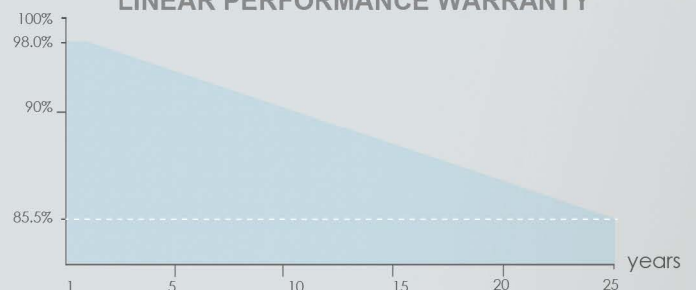
- 12** year Warranty for Materials and Processing
- 25** year Warranty for Extra Linear Power Output
- 0.5%** Annual Degradation Over 25 years



ZH SOLAR



LINEAR PERFORMANCE WARRANTY



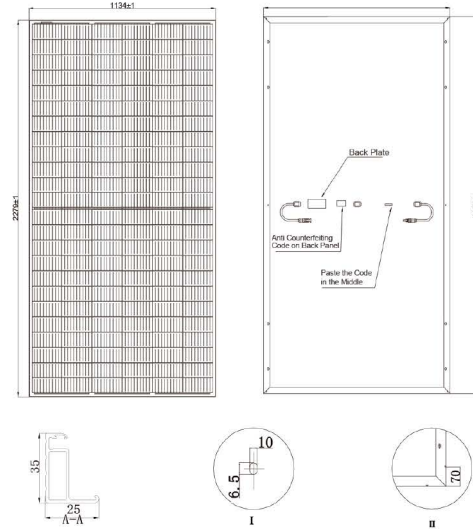
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PHOTOS



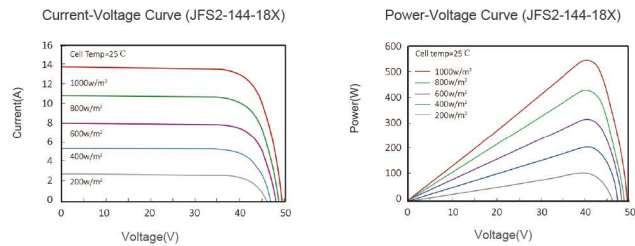
ENGINEERING DRAWINGS



SPECIFICATIONS

Cell	6×24 mono solar cell
Junction Box	IP≥ 68, TÜV & UL
Cable&Connector	4mm ² , TS4 / MC4-EVO2
Cable Lenath	300mm or as customer's requirements
Weight	28.6kg/43lbs
Packing	31pcs/pallet
Loading Capacity	155pcs/20GP 620pcs/40HC

IV CURVES



Module Type	ZHS2-144-530M		ZHS2-144-535M		ZHS2-144-540M		ZHS2-144-545M		ZHS2-144-550M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Test Environment										
Maximum Power (W)	530	395.8	535	399.5	540	403.3	545	407.0	550	410.7
Open Circuit Voltage (V)	49.20	46.12	49.35	46.26	49.50	46.41	49.65	46.55	49.80	46.69
Short Circuit Current (A)	13.71	11.09	13.78	11.15	13.85	11.20	13.92	11.25	13.99	14.06
Maximum Power Voltage (V)	41.35	38.50	41.50	38.64	41.65	38.78	41.80	38.92	41.95	39.04
Maximum Power Current (A)	12.82	10.28	12.90	10.34	12.97	10.40	13.04	10.46	13.11	10.52
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



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version:EN-20210407A