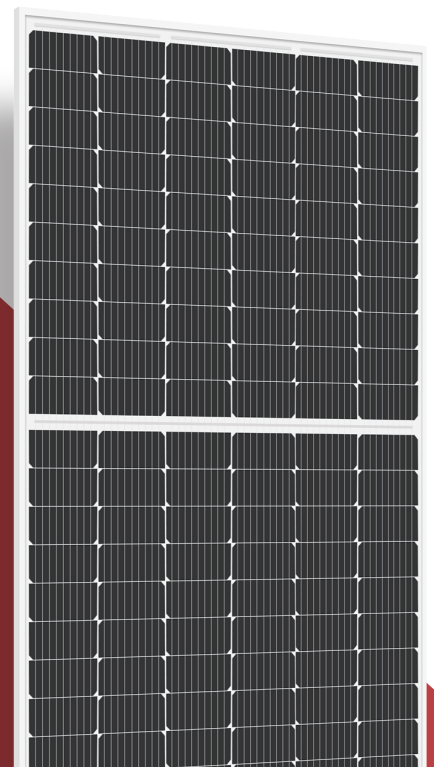


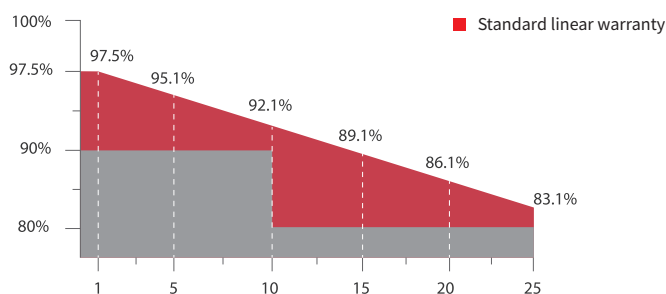


440-455W Mono

Suitable for ground power plants and large projects. 182mm silicon wafers with multi-busbar and half-cut cell technologies. Resistant to harsh environments such as salt, ammonia, sand, high temperature and high humidity areas. High module quality ensures long-term reliability.



Linear performance Warranty



Linear performance warranty



Product warranty

Comprehensive Certificates

CERTIFICATION

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



Power Class	440		445		450		455	
Module Efficiency (%)	20.4		20.6		20.8		21	
Tolerance (W)	0~+5		0~+5		0~+5		0~+5	
Test Environment	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power Pmax(W)	440	325	445	330	450	335	455	338
Open Circuit Voltage Voc(V)	41.4	39.1	41.5	39.2	41.6	39.2	41.6	39.3
Short Circuit Current Isc(A)	13.55	10.94	13.68	11.05	13.81	11.15	13.95	11.26
Maximum Power Voltage Vm(V)	34.2	31.8	34.3	31.9	34.3	31.9	34.4	31.9
Maximum Power Current Im(A)	12.86	10.22	12.97	10.34	13.12	10.5	13.23	10.6
Cell Type (mm)	182x91(10BB Mono-Crystalline Silicon)							
Cell Orientation (Pcs)	120(6*20)							
Maximum System Voltage (V)	DC1500							
Temp.Coeff.of Voc (%/°C)	-0.285							
Temp.Coeff.of Isc (%/°C)	0.055							
Temp.Coeff.of Pm (%/°C)	-0.365							
Operating Temperature (°C)	-40 to 85							
Nominal Operating Cell Temperature(NOCT) (°C)	45±2							
Max.Series Fuse (A)	20							
Pressure Bearing (Pa)	5400							
Wind Bearing (Pa)	2400							

STC: Irradiance 1000W/m2, Cell temperature 25°C, AM1.5
 NOCT: Irradiance 800W/m2, Ambient temperature 20°C, Wind speed 1m/s

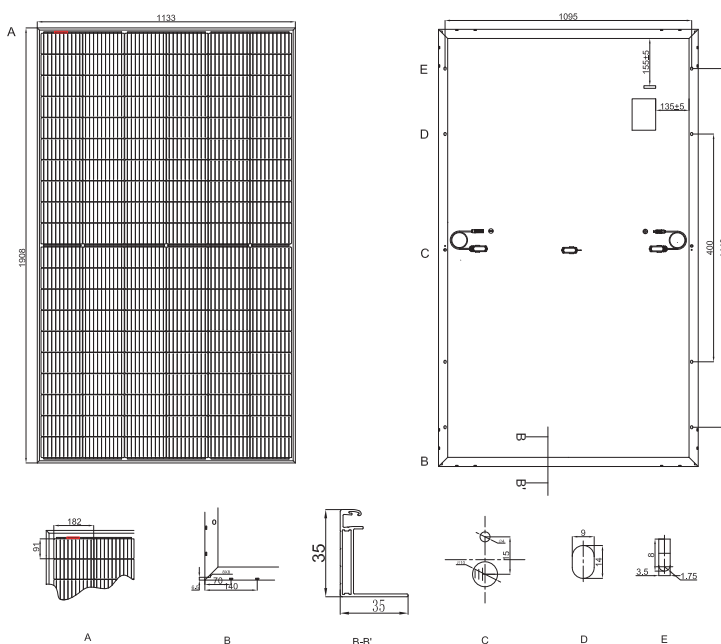
MATERIAL DETAILS

Frame	Anodized aluminum	Glass	3.2mm low-iron tempered suede glass
Cell	6x20pcs 182x91mm mono solar cellmm mono solar cell	Junction Box	IP≥68, 3 diodes
Diode quantity	3	Cable&Connector	4mm ² , EVO2 or EVO2 compatible
Cable length	300mm or as customer's requirements		

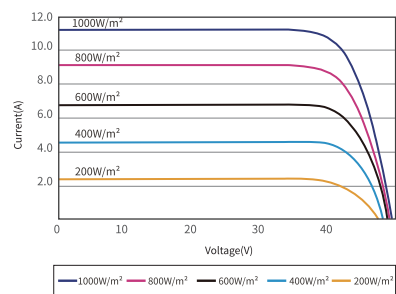
PACKING DETAILS

Dimension	1908x1133x35mm	Weight	23.8kg
Loading Capacity	300pcs/20'GP 726pcs/40'HC	Packing	31pcs/pallet

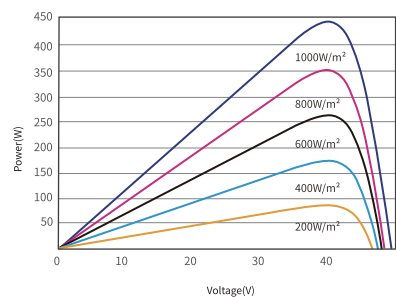
ENGINEERING DRAWINGS



IV CURVES



I-V CURVES OF PV MODULE(350W)



P-V CURVES OF PV MODULE(350W)