








G12 Mono Half Cell Module

G12/210 Cell Series

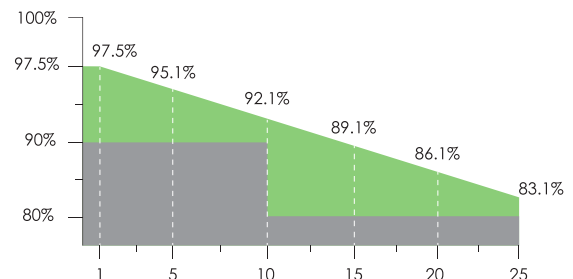
650~670W

MODULE CHARACTER

-  PID Resistance
-  Salt mist resistance/Ammonia resistance /dust and hail resistance
-  Production process reliability test
-  0~+5W Positive Tolerance
-  Mono MBB half cut
-  Reduce BOS cost increase ROI
-  Non-destructive cutting

CERTIFICATION

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



Linear performance warranty



Product warranty

G12 Half Cell (132)Mono Solar Module

Module Type	FDS-MG12-132-650		FDS-MG12-132-655		FDS-MG12-132-660		FDS-MG12-132-665		FDS-MIG12-132-670	
Module Efficiency (%)	20.93		21.09		21.25		21.41		21.57	
Tolerance (W)	0 ~ +5		0 ~ +5		0 ~ +5		0 ~ +5		0 ~ +5	
Test Environment	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power Pmax(W)	650	492.07	655	495.85	660	499.64	665	503.42	670	507.21
Open Circuit Voltage Voc(V)	44.34	41.79	44.59	42.03	44.85	42.26	45.10	42.50	45.35	42.74
Short Circuit Current Isc(A)	18.76	15.11	18.80	15.15	18.84	15.17	18.88	15.21	18.91	15.23
Maximum Power Voltage Vm(V)	36.79	34.24	37.00	34.43	37.21	34.63	37.42	34.82	37.63	35.02
Maximum Power Current Im(A)	17.67	14.37	17.71	14.40	17.74	14.42	17.78	14.46	17.81	14.48
Cell Type (mm)	MBB-210×105mm(Mono-Crystalline Silicon)									
Number of Cells (Pcs)	132(11×12)									
Maximum System Voltage	DC1500									
Temp.Coeff.of Voc (%/°C)	-0.262									
Temp.Coeff.of Isc (%/°C)	0.042									
Temp.Coeff.of Pm (%/°C)	-0.362									
Operating Temperature (°C)	-40 to 85									
Nominal Operating Cell Temperature(NOCT) (°C)	43±2									
Max.Series Fuse (A)	30									
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

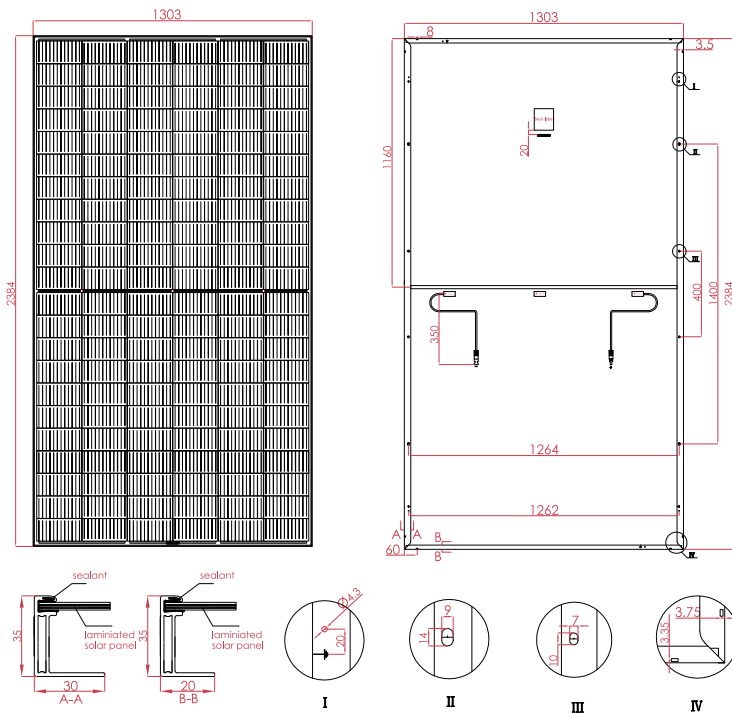
MATERIAL DETAILS

Frame	Anodized aluminum(black and white is optional)	Glass	3.2mm low-iron tempered suede glass
Cell	11x12pcs 210x105mm mono solar cell	Junction Box	IP≥68, TÜV & UL
Diode quantity	3	Cable&Connector	4mm², EVO2 or EVO2 compatible
Cable length	350mm or as customer's requirements		

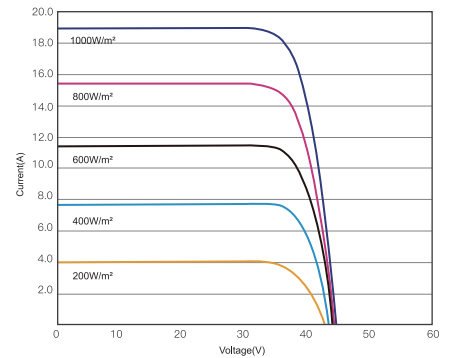
PACKING DETAILS

Dimension	2384×1303×35mm	Weight	33.5kg
Loading Capacity	558pcs/40HC	Packing	31pcs/pallet

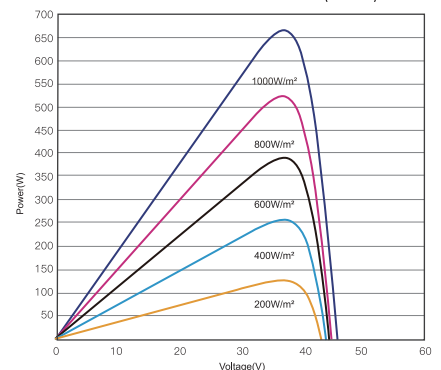
ENGINEERING DRAWINGS



IV CURVES



I-V CURVES OF PV MODULE(660W)



P-V CURVES OF PV MODULE(660W)