

1	Bluesun 182mm Solar Panel 570W 30Years Warranty		Power:570w Weight: 28.6KG Dimension: 2278*1134*35mm Application Class: A
2	Micro Inverter BDM- 2000 5 Years Warranty		Output Power: 2000W Output Voltage: Single Phase 220VAC,50/60HZ

3	5m End Cable 10 years warranty		5m End cable
4	Female End Cap (optional) 10 years warranty		Female End cap (optional)

SINGLE-GLASS MODULE

72LAYOUT

MONOCRYSTALLINE MODULES

525-550W

POWER OUTPUT

21.3%

MAX. EFFICIENCY



WHITE
OPAQUE



PRODUCT FEATURES



Optimized Power Gain

- Half-Cell Cutting Technology to Lower the Output Power Losses Brought by Shading;
- Integrates Multiple-Busbar(MBB) Tech, Higher Power Output



Working Condition Compatibility & Safety

- High Resistance to High Temp., High Humidity, Sand, Acid and Alkali Environment;
- 5400Pa Snow Loading, 2400Pa Wind Loading;



Higher-Than-Ever ROI

- 1500V System Voltage, Lower BOS Cost;
- Annual Degradation < 0.55%, 25-year Linear Performance Warranty;

CERTIFICATION



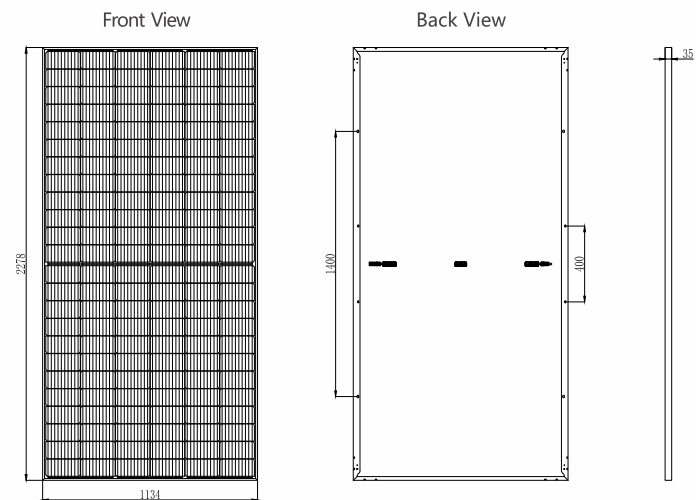
CLEAN
ENERGY
COUNCIL



Single-Glass Mono Modules : 525-550W

ENGINEERING DRAWING

MECHANICAL SPECIFICATIONS



Cell Type	Mono crystalline
Solar Cells	144(6*24)
Module Dimension [mm]	2278*1134*35mm
Weight [Kg]	29.0
Front Glass [mm]	3.2 Low iron tempered coated glass
Interlayer	EVA
Backsheet	Composite sheet
Junction Box	Ip67 Rated, by-pass diodes
Connector	Multi-Contact MC4(or equivalent)
Transmittance[%]	0
Maximum Load Capacity [Pa]	2400(wind load)/5400(snow load)

ELECTRICAL CHARACTERISTICS

			SMN72H(S)-525WE	SMN72H(S)-530WE	SMN72H(S)-535WE	SMN72H(S)-540WE	SMN72H(S)-545WE	SMN72H(S)550WE
STC: Air Mass AM1.5, Ir-radiance 1000W/m ² Cell temperature 25°C	Maximum Power at STC [Pmax]	[W]	525	530	535	540	545	550
	Open Circuit Voltage [Voc]	[V]	49.06	49.23	49.40	49.56	49.71	49.87
	Short Circuit Current [Isc]	[A]	13.62	13.69	13.76	13.83	13.91	13.99
	Voltage at Maximum Power point[Vm]	[V]	41.19	41.37	41.55	41.73	41.91	42.06
	Current at Maximum Power point[Im]	[A]	12.75	12.81	12.88	12.94	13.00	13.08
	Power Tolerance	[%]	0~+3%					
	Module Efficiency	[%]	20.3	20.5	20.7	20.9	21.1	21.3
NMOT: Air Mass AM1.5, Ir-radiance 800W/m ² Ambient temperature 20°C, wind speed 1m/s.	Maximum Power at NMOT [Pmax]	[W]	392	396	399	403	407	411
	Open Circuit Voltage [Voc]	[V]	46.31	46.47	46.63	46.78	46.93	47.08
	Short Circuit Current [Isc]	[A]	11.00	11.05	11.11	11.17	11.23	11.29
	Voltage at Maximum Power point[Vm]	[V]	38.06	38.23	38.39	38.56	38.72	38.86
	Current at Maximum Power point[Im]	[A]	10.30	10.35	10.40	10.45	10.51	10.56
	Power Tolerance	[%]	0~+3%					

WORKING CONDITIONS

TEMPERATURE COEFFICIENTS

Maximum System Voltage(With S)	[V]	1000 DC(IEC)
Maximum System Voltage(Without S)	[V]	1500 DC(IEC)
Operating Temperature	[°C]	-40~+85
Nominal Operating Cell Temperature	[°C]	45±3
Maximum rated current	[A]	25

Temperature Coefficient of Pmax	[%/°C]	-0.42
Temperature Coefficient of Voc	[%/°C]	-0.28
Temperature Coefficient of Isc	[%/°C]	0.046

PACKAGE CONFIGURATION	
Per box 31 pieces	40" HQ 620 pieces

ELECTRICAL CURVES

LINEAR PERFORMANCE WARRANTY

