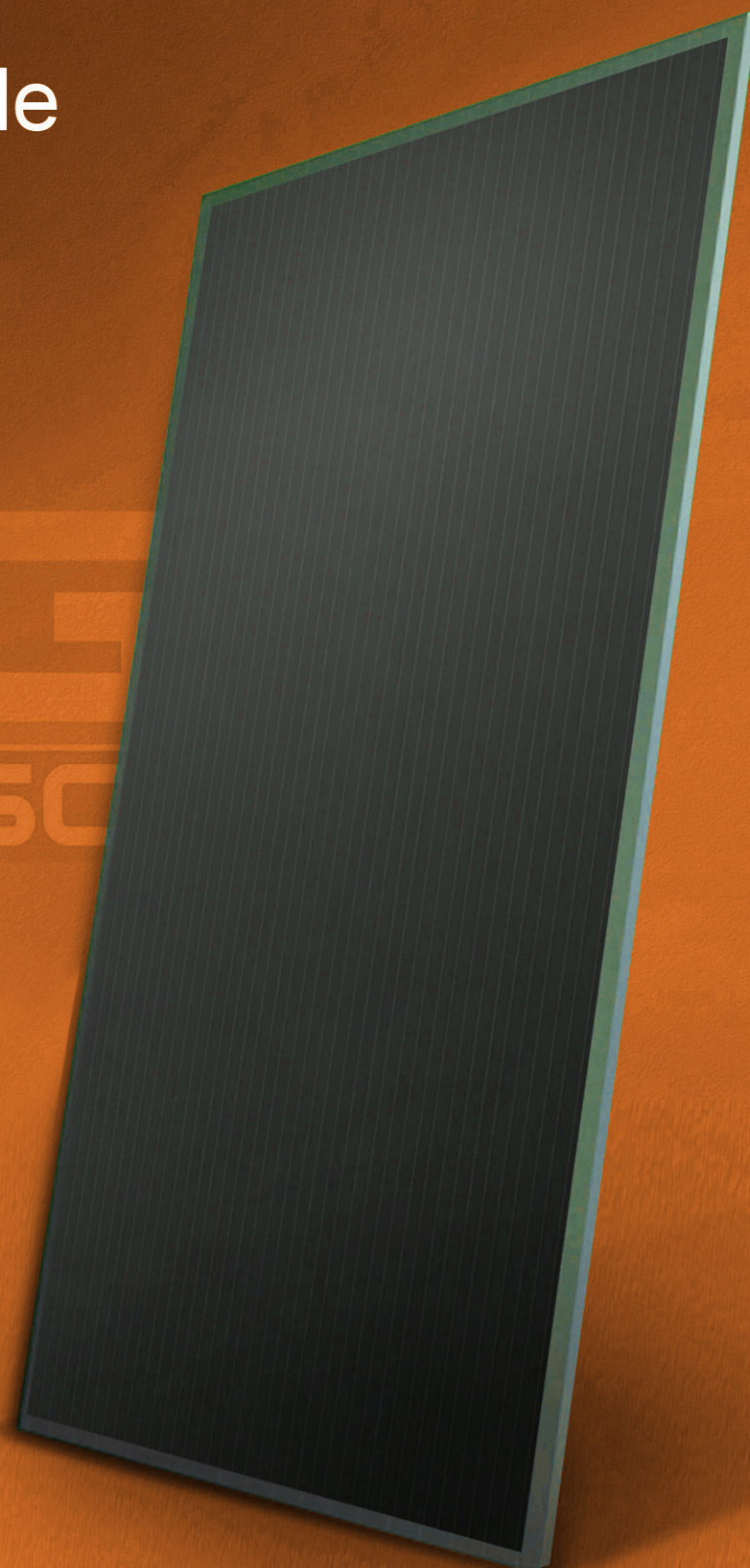


GS-43S Solar Module

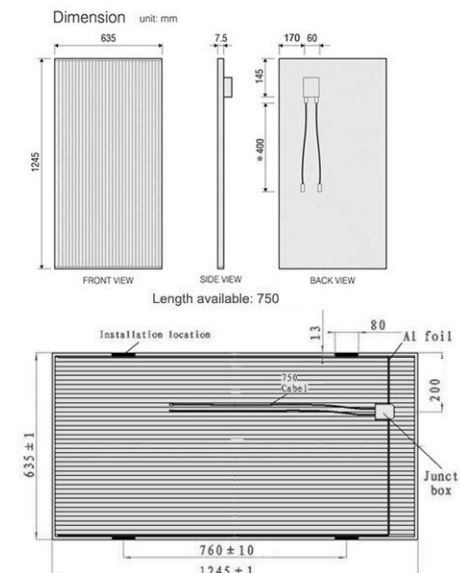
Quality and Safety

- CE Mark
- Safety Class II Certified
- IEC61646 Certified
- Manufactured in ISO9001 Certified Facilities
- RoHS Compliant
- UL Compliant



Configuration Characteristics

Cell type	a-Si double junction
Length	1245mm
Width	635mm
Thickness	7.5mm(excluding junction box)
Weight	Approx. 14.4kg
Area	0.79m ²
Cordplate	IP67
Encapsulant	Thermoplast
Front panel	3.2mm float glass
Back panel	4.0mm float glass
Output cables	750mm
Bypass diode	yes



Electrical Characteristics at STC (1000W/m², 25°C, AM1.5)

Maximum system voltage	V _{sys} (V)	1000
Maximum power (+/-5%) ,P _{max}	P _{max} (W)	43
Voltage at P _{max}	V _{mp} (V)	47
Current at P _{max}	I _{mp} (A)	0.92
Open circuit voltage	V _{oc} (V)	63
Short circuit current	I _{sc} (V)	1.16
Limiting reverse current	I _R (A)	2
Maximum source circuit fuse	I _{cr} (A)	10

Electrical Characteristics at NOCT (800W/m², 45°C)

Maximum power	P _{max} (W)	31
Voltage at P _{max}	V _{mp} (V)	42
Current at P _{max}	I _{mp} (A)	0.74
Open circuit voltage	V _{oc} (V)	57
Short circuit current	I _{sc} (V)	0.93

Temperature Coefficients

Maximum output power(W)	-0.22%/°C
Open circuit voltage(V)	-0.33%/°C
Short circuit current(A)	+0.09%/°C

These data represent stabilized module electrical performance at standard test conditions (STC -1000W/m², spectrum AM1.5, 25°C temperature).

The initial nominal power(W_{ip}) may be approx.10-18% higher than the Norminal Power(W_p),. 25 year performance warranty (90% after 10 years, 80% after 25 years) available.



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