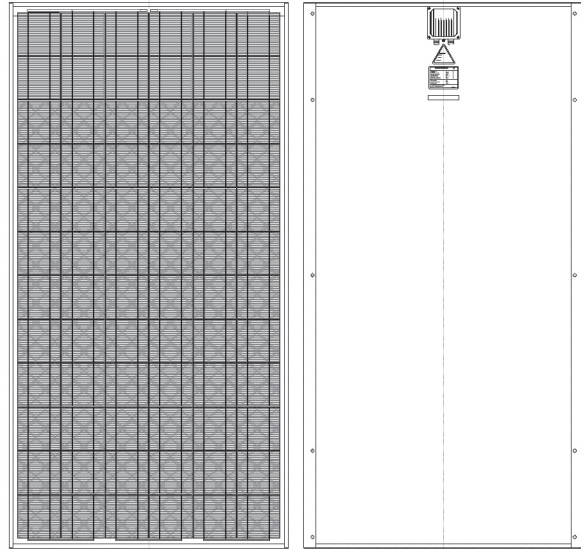


Solar

TECHNOLOGY INTERNATIONAL

Solar Technology International Ltd., Unit 1, Malmesbury Road,
Kingsditch Trading Estate, Cheltenham, Glos GL51 9PL



Mono & Poly-Crystalline Silicone Solar Cell Modules



Module characteristics

- The module is designed in accordance with IEC61215:1993 standards, manufactured with proven materials and tested to ensure electrical performance and service life.
- SiN film deposited on the front surface by PECVD acts as anti-reflection coating and gives a uniform dark blue appearance.
- Cells are laminated between high transmissivity low-iron 3mm tempered glass and sheet of TPT material by two sheets of EVA to prevent moisture penetrating into the module.
- Heavy duty anodized aluminium frame provides high wind resistance and convenient mounting access.
- Multi-Contact waterproof versatile junction box and terminals allows for quick and simple connection.
- The supplied cable, designed for photo voltaic uses, guarantees that each module has excellent power transmission throughout the year.
- There is no current requirement for the STI Solar Modules to comply with ROHS.



Certifications	
ISO9001 (2000)	1902Q11440ROM
IEC61215	03073001
CE	G4M20301-0199-E-16
TUV	21200934-1

Absolute maximum limits		
Parameters	Rating	Unit
Operating temperature	-40 to +85	°C
Storage temperature	-40 to +85	°C
Dielectric voltage withstood	3000max	V-DC
NOCT	48	°C

Temperature coefficients		
Current temperature coefficient	dIsc/dT	+0.003A/K
Voltage temperature coefficient	dVoc/dT	-0.13V/K
Power temperature coefficient	dPm/dT	-0.675W/K

Materials	
Frame	Aluminium 6063 T5
Front Cover	High-transmission glass

PV Modules made with IEC 61215 certification									
Model	Output	Size	Weight	Pmax(W)	Vmp(V)	Imp(A)	Voc(V)	Isc(A)	UK Stock
STP005P	5wp	306x218x25mm	1.0kg	5	16.8	0.3	21	0.39	500
STP010P	10wp	397x278x25mm	1.6kgs	10	16.8	0.59	21	0.66	200
STP018P	18wp	638x278x25mm	2.2kgs	18	16.8	1.07	21	1.21	200
STP028P	28wp	559x407x25mm	2.8kgs	28	17.6	1.59	21.6	1.7	150
STP043P	43wp	634x534x35mm	4.3kgs	43	17.6	2.44	21.5	2.5	150
STP060P	60wp	743x635x35mm	6.3kgs	60	17.2	3.49	21.6	3.97	150
STP080P	80wp	1196x534x35mm	7.9kgs	80	17.2	4.65	21.6	5	150
STP120P	120wp	1438x672x35mm	11.5kgs	120	17.2	6.98	21.6	7.93	60
STP150P	150wp	1580x793x50mm	13.5kgs	150	17.2	8.72	21.6	9.72	30
STP150P(24V)	150wp	1580x793x50mm	13.5kgs	150	34.4	4.36	43.2	4.87	30

ALL FIGURES TAKEN AT STANDARD TEST CONDITIONS

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