

SOLARTECH SOLAR MODULE

SolarTech SOLAR TECH CO.,Ltd

STM 100 Module Series



SOLARTECH's photovoltaic modules offer high-powered, reliable performance for solar project.

Electrical Characteristics

MODEL	80-S5C1	85-S5	100-S5
Maximum power [Pmax]	80W	85W	100W
Voltage at Pmax [Vmp]	16,60V	18,20V	20,62V
Current at Pmax [Imp]	4,82A	4,68A	4,85A
Open circuit voltage [Voc]	20,10V	22,10V	24,76V
Short circuit current [Isc]	5,18A	5,10A	5,26A
Temperature coefficient of Power	-0,43%/K	-0,43%/K	-0,43%/K
Temperature coefficient of Voc	-0,34%/K	-0,34%/K	-0,34%/K
Temperature coefficient of Isc	0,04%/K	0,04%/K	0,04%/K
Output tolerance	±5%	±5%	±5%
No. of cells & connections	32 in series	36 in series	40 in series
Cell type	5" Mono	5" Mono	5" Mono
Module efficiency	9,48%	9,00%	9,56%
Maximum series fuse rating	10A	10A	10A
Maximum system voltage	600V	600V	600V
Dimension	1072 X 539 Depth:40mm	1200 X 539 Depth:40mm	1328 X 539 Depth:40mm
Weight	7,4kg	8,0kg	8,9kg

-All data at STC[Standard Test Conditions], Above data may be changed without prior notice

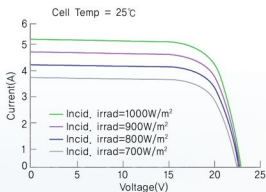
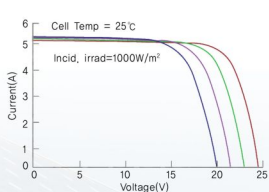
Mechanical Characteristics

Frame	Clear anodized aluminum frame, Color : silver
Bypass diodes	Bypass diodes to prevent power decrease by shade
Construction	Front : High transmission Low-iron tempered glass, 3,2mm Encapsulant : EVA Backsheet : Weatherproof film

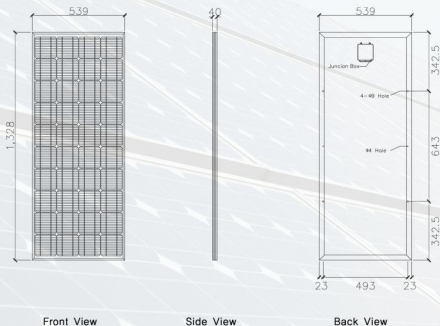
Limited Warranty

Freedom from defects in materials and workshop for 5 years,
10 years for 90% of warranted minimum output power
25 years for 80% of warranted minimum output power

I-V Curves



Module Diagramz



Installation Safety Guide

- Only qualified personnel should install or perform maintenance
- Be aware of dangerous high DC voltage
- Do not damage or scratch the rear of the module
- Do not handle or install modules when they are wet