

# SOLARTECH SOLAR MODULE

SolarTech SOLAR TECH CO.,Ltd

## STM 165 Module Series



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

### Electrical Characteristics

MODEL	165-S5	170-S5C1
Maximum power [Pmax]	165W	170W
Voltage at Pmax [Vmp]	34,03V	32,32V
Current at Pmax [Imp]	4,85A	5,26A
Open circuit voltage [Voc]	40,85V	40,85V
Short circuit current [Isc]	5,26A	5,57A
Temperature coefficient of Power	-0,43%/K	-0,43%/K
Temperature coefficient of Voc	-0,34%/K	-0,34%/K
Temperature coefficient of Isc	0,04%/K	0,04%/K
Output tolerance	±3%	±3%
No. of cells & connections	66 in series	66 in series
Cell type	5" Mono	5" Mono
Module efficiency	14,37%	14,805%
Maximum series fuse rating	10A	10A
Maximum system voltage	600V	600V
Dimension	1459mm X 787mm Depth:40mm	1459mm X 787mm Depth:40mm
Weight	13,5kg	13,5kg

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

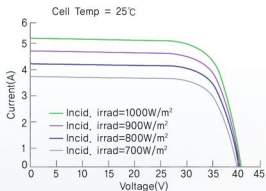
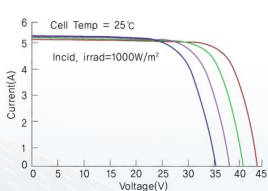
### Mechanical Characteristics

Frame	Clear anodized aluminum frame, Color : silver
Output cables	Cable with polarized weatherproof DC rated connector
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

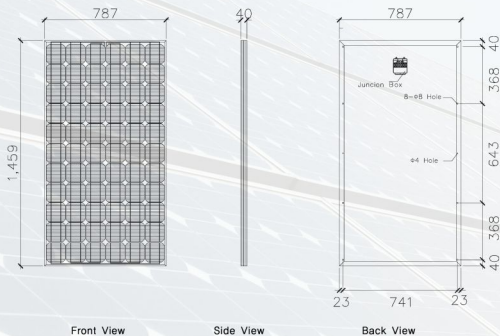
### Limited Warranty

- 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