

## 150 Watt Photovoltaic Module **TS150 SBZ**

### Special features:

- Designed to meet latest IEC 61215 Edition2 Standards.
- Manufactured in ISO 9001 & ISO 14001 certified facility.
- Crystalline Module.
- Torsion & corrosion resistant anodized aluminium frames having higher strength with proper mounting holes for quick and easy installation.
- High light transmission toughened glass to gain maximum power and protect against all environmental conditions Hail, Snow, Ice and storm

Open type Junction box with pre-assembled cables and connectors

**A**

### Applications:

- Telecommunications/Power packs
- Defense application / Offshore platform
- Rooftop systems for Commercial and Domestic purpose
- Off grid application
- Railways and Water Pumping Applications



### Testing and Certification:

CERTIFICATION	STATUS
IEC61215 Edition2	Yes
IEC61730-2:2004	Yes

### Legal Data:

Power Warranty	25 Years 80%
Workmanship warranty	10 Years

### Temperature coefficient characteristics:

NOCT (°C)	47±2
Temperature coefficient of Pmax (%/°C)	-0.4383
Temperature coefficient of Voc (%/°C)	-0.3305
Temperature coefficient of Isc (%/°C)	0.0638

**B**

#### Mechanical Data

Module size (L x W x H)	1504mm X 674mm X 33mm
Distance between mounting holes (A x B)	901mm X 651mm
Mounting hole size(Elliptical)	12.7mm x 8.5mm
Module weight	12kg
Superstrate	Tempered glass 3.2mm
Encapsulant	EVA
Substrate	Pet -White
Frame type	Silver Anodized Aluminum
Cable and termination	4mm² Cable with weather proof multi contact connector, Asymmetrical cable lengths
Male cable(-) length-300mm	
Female cable(+) length-800mm	
Junction box	IP67 Standard

#### Electrical Data

STC@25°C/ under1000W/M² at AM1.5G Solar spectrum

Cell Technology	Multi Crystalline
Series Cells-(Nos)	36
Power Tolerance. Min (%)	-5W & +5W
Pmax (Watts)	150
Voc(V)	22.2
Isc (A)	8.64
Vmp(V)	18.4
Imp(A)	8.15
Series fuse size (A)	20
Max.System Voltage (V)	1000
FF	>0.7
Cell efficiency (%)	17.2
Module efficiency (%)	14.8