

# TSS Smart Diode

New improved industrial applications need fast response reverse polarity protection. TSS Smart Diode satisfies this requirement with a very low forward voltage drop to reduce the power losses. Some of the key functions of the unique Smart Diode include sub-system blocking/ Or-ing, combining old and new systems for site upgradation thus saving costs of battery replacement and ease of maintenance without disconnecting the load.



## Advantages

- Reverse current blocking for sub-system operation (e.g. 2 x 50% solar system)
- Sub-system reverse current blocking
- Unique, one-on-one diode replacement
- Passive power sharing capability
- No additional external heat sink required

## Unique Features

- Negligible power dissipation
- Low reverse leakage current
- Super-fast response to reverse polarity

### Electrical and Mechanical Data

Max Reverse Voltage	60 V
Continuous Current	100 A
Forward Voltage	0.2 V @ 100 A
Peak Current	150 A (30 seconds)
Operation Temperature	-40 °C to 85 °C
Dissipation @ 100 A	20 W
Dimensions	132 X 80 x 80 mm
Weight	0.262 Kg

Creating a solid and high performing solar energy system to keep you going ...Always!