

SATS SERIES

Solar Array Transfer Switch

Convert an existing grid connect system into a hybrid system using the Latronics Solar Array Transfer Switch, automatically diverting a solar array from one destination to another.

The Solar Array Transfer Switch (SATS) diverts a solar array of up to 600V, 20A d.c. from one destination to another.

It can be used to convert any grid connect system to a hybrid off grid system and keep the existing grid connect inverter.

As you are using the existing grid connect inverter no new applications or approvals are normally required.

Configuration Options/Monitoring

The SATS can be triggered to change on an external signal such as an output from a solar charge controller.

The relay output means you are able to attach an external light or indicator to show where the power is being sent to.

You can connect multiple units using one SATS as the master and have up to 10 slave units.

Compact Design

Allows for a flexible and easy installation.

High Quality Connectors

The Inputs and Outputs are connected via genuine MC4 connectors for quick and safe installation

IP65 Rated Enclosure

Protection from dust and water jets allows it to be installed almost anywhere around the system, without affecting its long term reliability.

Double Pole Transfer

Both the positive and negative conductors of the solar array are switched. This gives great flexibility for component choice. At night the switch is in the off state therefore removing reverse discharge eliminating the need for a blocking diode.

Reliability

Latronics has been operating since 1985 and continuous adherence to stringent quality standards ensures optimum reliability. The SATS is backed with a full 2 year return to factory warranty.

LED Status Indicators

A set of LED lights keep the user informed of its status at all times. Indicators clearly display which destination the connected solar array is being sent to.

Electrically Tested and Safe

The SATS is designed in accordance with AS 60947 and AS/NZS 3947.6.1.

All wiring terminals comply with the AS/NZS 3000 and AS/NZS 5033 wiring installation standards.

Easy Installation

Installation is as simple as fixing to the wall, plugging in the solar array and two loads. No need for a separate power supply as the SATS is powered from the solar array!

The cable entries for auxiliary input/output are simple screw type cable glands ensuring tight IP65 protection.

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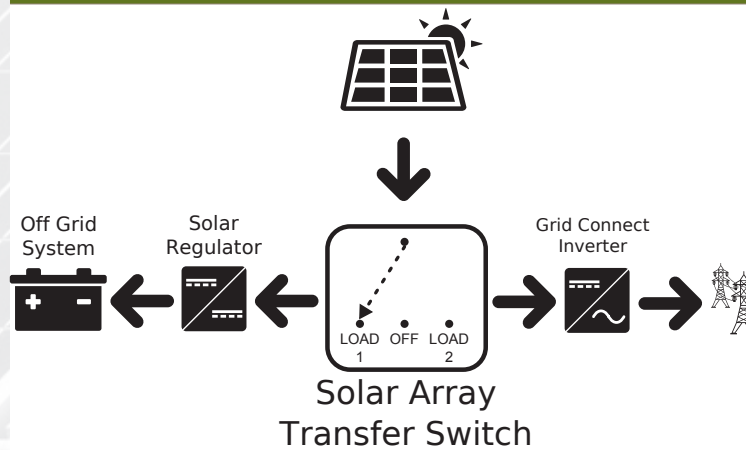
LATRONICS®
CREATE GOOD ENERGY

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MODEL SPECIFICATIONS

Model	SATS-2-10	SATS-2-20
Maximum Current	10A	20A
Input voltage	100 - 500V d.c.	100 - 600V d.c.
Operating temperature	-10 to 50°C	
Connector	MC4	
Enclosure	IP65	
Standards	AS 60947.1, AS/NZS 3947.6.1, AS/NZS 3100, RCM	
Weight	1.2kg	
External trigger input	24V d.c.	
Aux Output	Volt-free contacts (Rated for 240V a.c. 10A)	
Dimensions (mm)	170 x 135 x 90 mm	
Warranty	2 years	

OPERATION OVERVIEW



Products

SATS



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