

# MPPT Solar Regulators

## Up to 300Watt, 20Amp

**SARGENT**  
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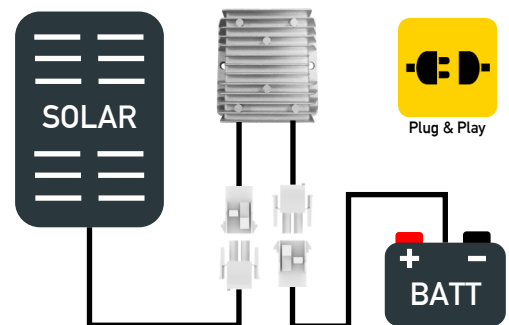
These solar regulators use Maximum Power Point Tracking (MPPT) technology to extract the maximum possible energy from the connected solar panels. In this way they can typically harvest 25% more energy than standard solar regulators. The regulators are compact and simple to fit via their plug & play connectors, as used on the Sargent solar panel ranges.

### SX150-12



Specification	SX150-12	SX300-12
Power	150W	300W
Solar Input Voltage	16 - 25V	17 - 50V
Output Voltage	13.8V	13.8V
Output Current	10A (max)	20A (max)
Standby Current	11mA	15mA
Regulation Method	MPPT	MPPT
Efficiency	96% (max)	96% (max)
Ingress Rating	IP67	IP67
Dimensions (LxWxH)	40x75x22mm	74x74x32mm
Weight	115g	300g
Cable length	250mm	250mm

### SX300-12



Simple in-line Plug & Play connection

- Up to 25% more energy - compared to standard PWM regulators
- IP67 weatherproof rating - fully protected against moisture ingress
- Fully protected - Built-in Overload, Short circuit & Over Temperature protection
- Plug & Play - Quick fit connectors compatible with Sargent solar panel range