

# Charging regulator

## SMR-MPPT1575 15A

Product code: R0096

15A

Rated current

MPPT

Type



### FUNCTIONS

- Innovative Maximum Power Point Tracking (MPPT) technology with tracking efficiency over 99.9%.
- Fully digital technology ensuring high charging conversion efficiency up to 97%.
- Strong and durable aluminum casing with IP67 protection rating.
- Four-stage charging process including MPPT, Boost, Equal, and Float modes.
- External temperature sensor with automatic temperature compensation.

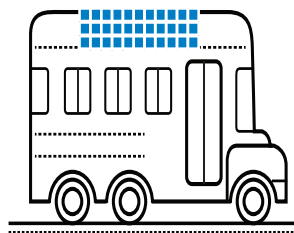
4sun®

### TECHNICAL DATA

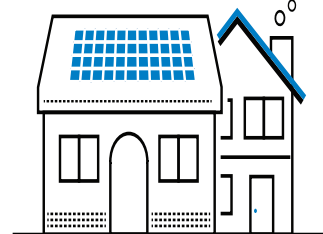
INDEX	R0096
MODEL	SMR-MPPT1575 15A
Nominal system voltage	12/24VDC Auto
Battery type	Sealed/Gel/Flooded
Maximum input power [W]	200/400
Rated charging current [A]	15
Rated discharge current [A]	15
Maximum PV circuit voltage [V]	55
Charging voltage [V]	14,6
Low-voltage cut-off voltage [V]	11,1
Connection voltage [V]	12,6
Own consumption	6mA
Maximum tracking performance	>99,9%
Protection	IP67
Warranty	2 years
Ambient temperature	-35°C~+60°C
Dimensions (L x W x H) [mm]	85,5x45x30
Weight (g)	600
Maximum charge conversion	97,5%

### APPLICATION

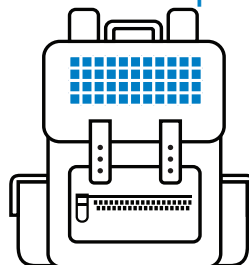
#### Solar Car



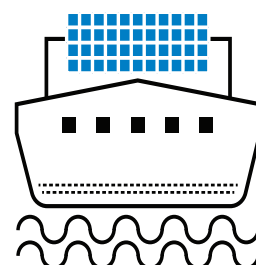
#### Solar Home



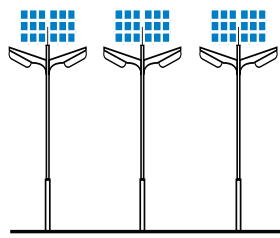
#### Solar Backpack



#### Solar Boat



#### Solar Street Light



#### Solar Power Generator

