

# Charging regulator

## Tracer 10420AN 100A

Product code: R0168

**100A**

Rated current

**MPPT**

Type



### FUNCTIONS

- Optimizes charging by tracking the maximum power point, enhancing the efficiency of the photovoltaic system.
- Ensures high energy conversion efficiency from solar panels.
- Compatible with various battery types for greater flexibility.
- Provides stable operation, especially with oversized modules and high temperatures.
- Extends battery life and ensures safe solar system operation with protection against overcharging, deep discharging, and reverse PV polarity.

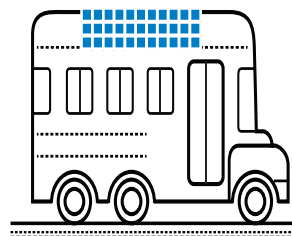
**4sun**®

### TECHNICAL DATA

INDEX	R0168
MODEL	Tracer 10420AN 100A
Nominal system voltage	12/24/36/48VDC Auto
Battery type	Sealed/Gel/Flooded
Working voltage [V]	8~68
Rated charging current [A]	100
Rated discharge current [A]	100
Maximum PV circuit voltage [V]	200
Charging voltage [V]	14,6
Low-voltage cut-off voltage [V]	11,1
Connection voltage [V]	12,6
Grounding	common negative
Efficiency	≤95%,(N.C.)
Protection	IP20
Warranty	2 years
Equalisation voltage [V]	Sealed: 14,6
Dimensions (L x W x H) [mm]	394x242x143
Weight (g)	7400
Temperature range	-25°C~+60°C

### APPLICATION

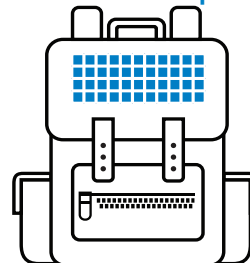
#### Solar Car



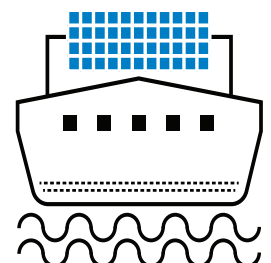
#### Solar Home



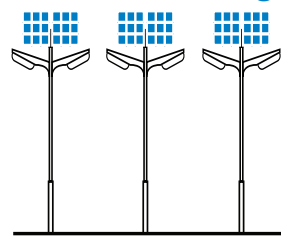
#### Solar Backpack



#### Solar Boat



#### Solar Street Light



#### Solar Power Generator

