

Charging regulator

Tracer 5420AN 50A

Product code: R0087

50A

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.

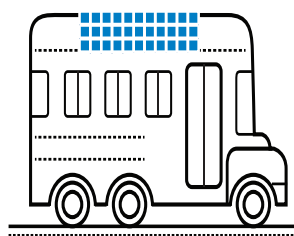
4sun®

TECHNICAL DATA

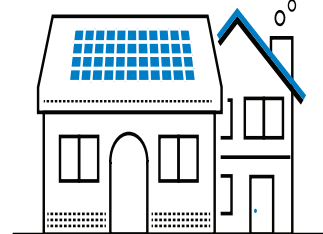
INDEX	R0087
MODEL	Tracer 5420AN 50A
Nominal system voltage	12/24/36/48VDC Auto
Battery type	Sealed/Gel/Flooded
Working voltage [V]	8~68
Rated charging current [A]	50
Rated discharge current [A]	50
Maximum PV circuit voltage [V]	200
Charging voltage [V]	14,6
Low-voltage cut-off voltage [V]	11,1
Connection 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]	261x216x119
Weight (g)	3500
Temperature range	-25°C~+60°C

APPLICATION

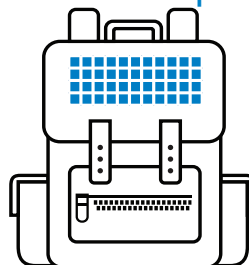
Solar Car



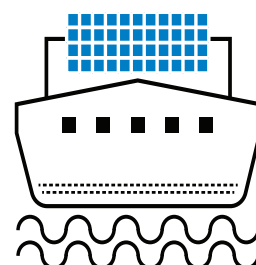
Solar Home



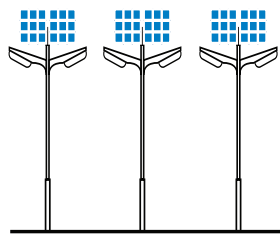
Solar Backpack



Solar Boat



Solar Street Light



Solar Power Generator

