

Charging regulator

Shine05 5A

Product code: R0083

5A

Rated current

PWM

Type



FUNCTIONS

- The product is designed to provide high reliability at low cost, making it an economical solution.
- The regulator offers four charging modes: fast, boost, equalization, and float, ensuring optimal energy management and extended battery life.
- The temperature compensation function helps maintain optimal charging conditions across various temperatures, protecting the battery and enhancing its efficiency.
- The regulator protects the battery from overcharging and deep discharging, preventing damage and prolonging its lifespan.
- The device provides a fully automatic electronic protection function, increasing system safety and reliability.

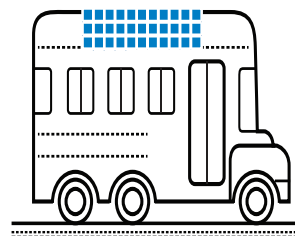
4sun®

TECHNICAL DATA

INDEX	R0083
MODEL	Shine05 5A
Nominal system voltage	12 VDC
Battery type	Liquid
Maximum battery voltage [V]	20
Rated charging current [A]	5
Rated discharge current [A]	5
Maximum PV circuit voltage [V]	25
Charging voltage [V]	14,5
Low-voltage cut-off voltage [V]	11
Wire size [mm ²]	1,5
Self-consumption	5mA
Temperature compensation	-4,17mV/K per cell
Protection	IP22
Warranty	2 years
Work modes	always on
Dimensions (L x W x H) [mm]	90x49x18
Weight (g)	36
Temperature range	-35°C~+60°C

APPLICATION

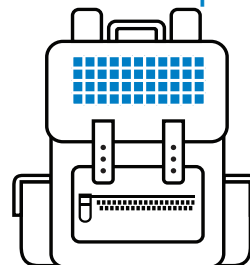
Solar Car



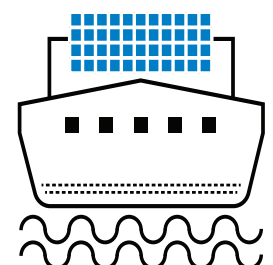
Solar Home



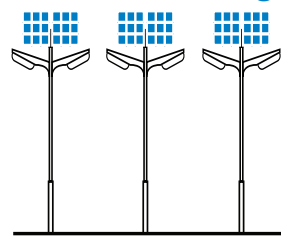
Solar Backpack



Solar Boat



Solar Street Light



Solar Power Generator

