

Charging regulator

Shine1012EU 10A

Product code: R0003

10A
Rated current

PWM
Type



FUNCTIONS

- The product is designed to provide high reliability at low cost, making it ideal for 12V systems.
- The user can choose between different operating modes, including system mode and D2D (dusk-to-dawn), depending on application needs.
- The device supports temperature compensation and allows for selection between gel and liquid batteries, enhancing its versatility.
- The regulator offers four charging modes (fast, boost, equalization, float) and features a fully automatic electronic protection function, increasing system safety and efficiency.
- The product is equipped with a USB port, allowing for external device charging and increasing its functionality.

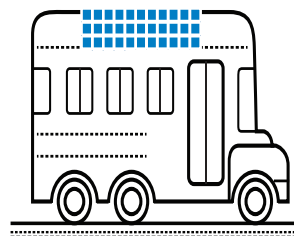
4sun®

TECHNICAL DATA

INDEX	R0003
MODEL	Shine1012EU 10A
Nominal system voltage	12 VDC
Battery type	Liquid/Gel
Maximum battery voltage [V]	20
Rated charging current [A]	10
Rated discharge current [A]	10
Maximum PV circuit voltage [V]	25
Charging voltage [V]	14,5
Low-voltage cut-off voltage [V]	11
Wire size [mm ²]	4
Self-consumption	6mA
Temperature compensation	-4,17mV/K per cell
Protection	IP22
Warranty	2 years
Work modes	system, dusk to dawn
Dimensions (L x W x H) [mm]	126x66x33
Weight (g)	110
Temperature range	-35°C~+60°C

APPLICATION

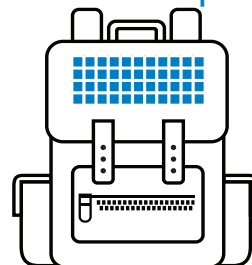
Solar Car



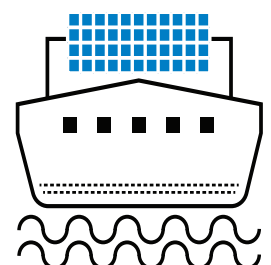
Solar Home



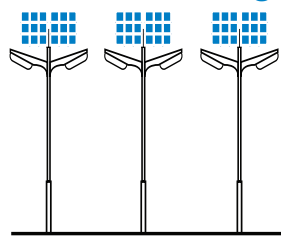
Solar Backpack



Solar Boat



Solar Street Light



Solar Power Generator

