

Charging regulator

MPPT2075 DCR 20A

Product code: R0110

20A

Rated current

MPPT

Type



FUNCTIONS

- The MPPT-DC solar controller from the MPPT series is specifically designed for LED solar street lighting systems in boost mode, ensuring optimal lighting efficiency.
- Innovative Maximum Power Point Tracking (MPPT) technology with tracking efficiency over 99.9%, increasing charging efficiency by approximately 20% compared to traditional PWM controllers.
- High conversion efficiency: up to 97.5% during charging and up to 96.5% during discharging, contributing to effective energy management..
- Programmable DC driver function with the ability to generate constant output current and set initial voltage and dimming percentage.

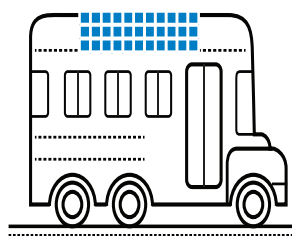
4sun®

TECHNICAL DATA

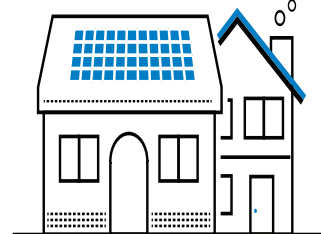
INDEX	R0110
MODEL	MPPT2075 DCR 20A
Nominal system voltage	12/24VDC Auto
Battery type	Sealed/Gel/Flooded
Maximum input power [W]	260/520
Rated charging current [A]	20
Rated discharge current [A]	20
Maximum PV circuit voltage [V]	55
Charging voltage [V]	14,6
Low-voltage cut-off voltage [V]	11,1
Connection 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]	85,8x145x30
Weight (g)	720
Maximum charge conversion	97,5%

APPLICATION

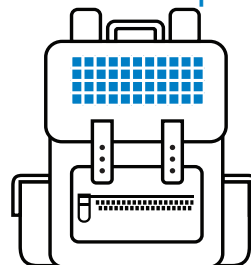
Solar Car



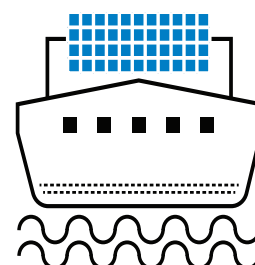
Solar Home



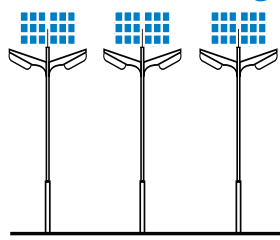
Solar Backpack



Solar Boat



Solar Street Light



Solar Power Generator

