

Charging regulator

MAXX 40A 12/24V LCD

Product code: R0258

40A

Rated current

MPPT

Type



FUNCTIONS

- Optimizes charging by tracking the maximum power point, increasing the efficiency of the photovoltaic system.
- Ensures stable and safe operation
- Protects the system from overheating by adjusting the output power according to working conditions.
- Increases charging efficiency by converting excess voltage into higher current.
- Enables real-time monitoring and management of the photovoltaic system.

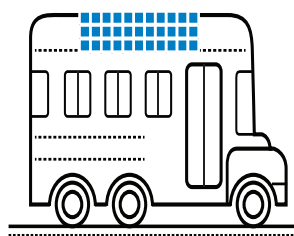
4sun®

TECHNICAL DATA

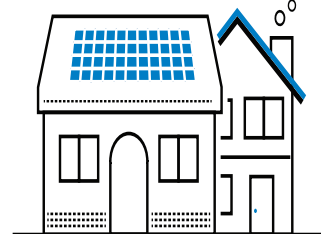
INDEX	R0258
MODEL	MAXX 40A 12/24V
Nominal system voltage	12/24VDC Auto
Battery type	Sealed/Gel/Flooded
Rated charge current [A]	40
Rated discharge current [A]	20
Maximum PV open circuit voltage [V]	100
Max. input power in 12V system [W]	520
Max. input power in 24V system [W]	1040
Equalization charge [V]	14,6/29,2
Absorption charge [V]	14,4/28,8
Float charge [V]	13,8/27,6
Load reconnection [V]	12,6/25,2
Load disconnection [V]	10,8/21,6
Own consumption	≤50mA
Maximum charging efficiency	97%
MPPT highest accuracy	99%
Warranty	2 years
Dimensions (L x W x H) [mm]	215×145×77
Weight (g)	1310
Working temperature range	-20°C~+55°C

APPLICATION

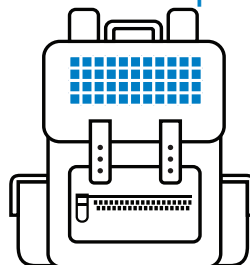
Solar Car



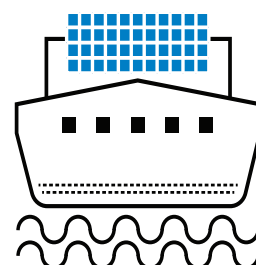
Solar Home



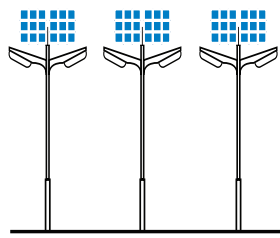
Solar Backpack



Solar Boat



Solar Street Light



Solar Power Generator

