

# Charging regulator

## WIN500 20A

Product code: R0206

20A

Rated current

MPPT

Type



### FUNCTIONS

- Tracking efficiency >99.9%, ensuring maximum energy utilization.
- Achieves charging conversion efficiency of up to 98% thanks to fully digital technology.
- Automatic system voltage recognition (12/24 V) allows automatic adaptation to the power system, simplifying installation and use.
- Supports liquid, gel, AGM, and lithium batteries, making the device versatile.
- Automatically reduces power when exceeding the rated charging power and current, preventing damage.

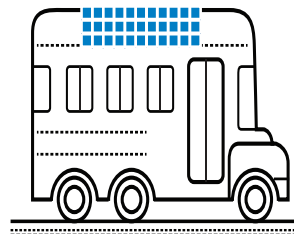
# 4sun®

### TECHNICAL DATA

INDEX	R0206
MODEL	WIN500 20A
Nominal system voltage	12/24 VDC Auto
Battery type	Liq., Gel, Acid, AGM
Maximum battery voltage [V]	35
Rated charging current [A]	20
Rated discharge current [A]	20
Maximum PV circuit voltage [V]	70
Charging voltage [V]	14,5
Low-voltage cut-off voltage [V]	11,2
Grounding	common negative
Maximum input power [W]	260/520
Temperature compensation	-4,17mV/K per cell
Protection	IP54
Warranty	2 years
Maximum altitude [m]	4000
Dimensions (L x W x H) [mm]	164x107x32
Weight (g)	690
Temperature range	-20°C~+55°C

### APPLICATION

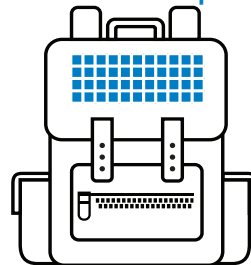
#### Solar Car



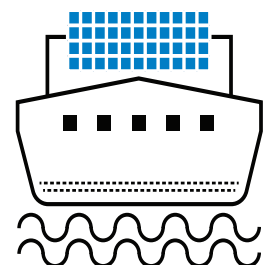
#### Solar Home



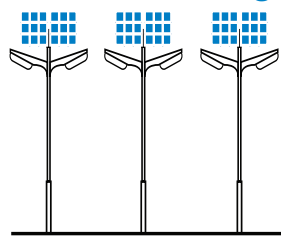
#### Solar Backpack



#### Solar Boat



#### Solar Street Light



#### Solar Power Generator

