

# Charging regulator

## VS2024AU 20A

Product code: R0034

**20A**  
Rated current

**PWM**  
Type



### FUNCTIONS

- Protects against overcharging, deep discharge, surges, short circuits, reverse polarity, and overloads.
- Three-stage PWM charging (Bulk, Boost/Equalize, Float) with support for various battery types (sealed, gel, flooded).
- Multiple load control modes, including manual mode, light control, Dual Time, and debugging mode.
- Clear LCD display and dual USB output for monitoring and connecting devices.
- Battery temperature monitoring and compensation for optimal performance.

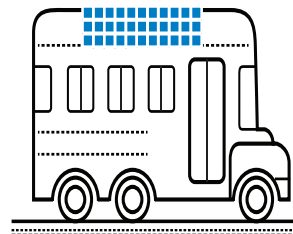
# 4sun®

### TECHNICAL DATA

INDEX	R0034
MODEL	VS2024AU 20A
Nominal system voltage	12/24VDC Auto
Battery type	Sealed/Gel/Flooded
Working voltage [V]	9~32
Rated charging current [A]	20
Rated discharge current [A]	20
Maximum PV circuit voltage [V]	50
Charging voltage [V]	14,6
Low-voltage cut-off voltage [V]	11,1
Connection voltage [V]	12,6
Own consumption	12V≤5mA; 24V≤7mA
Efficiency	≤95%,(N.C.)
Protection	IP30
Warranty	2 years
Equalisation voltage [V]	Sealed: 14,6
Dimensions (L x W x H) [mm]	160x94,9x49,3
Weight (g)	350
Temperature range	-25°C~+55°C

### APPLICATION

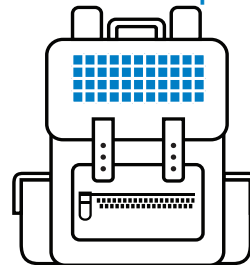
#### Solar Car



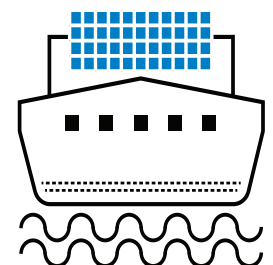
#### Solar Home



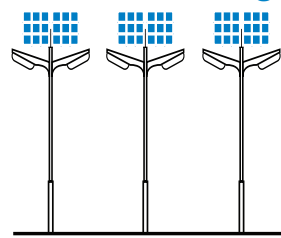
#### Solar Backpack



#### Solar Boat



#### Solar Street Light



#### Solar Power Generator

