

STUDER 48V 40A Standard Charger

Battery Charger / Acculader | STUDER | VT-40



MPPT technology optimises energy harvest from a 24-48V DC input, delivering a consistent 40A charge current to rapidly replenish 48V lead-acid battery banks and minimise downtime. Engineered for mobile power systems, it integrates seamlessly into automotive, caravan, camper, and marine installations.

Features

- Delivers a consistent 40A charging current to rapidly replenish 48V lead-acid battery banks, minimizing downtime for critical applications.
- Engineered for mobile power systems, it is perfectly suited for automotive, caravan, camper, and marine installations.
- Features MPPT (Maximum Power Point Tracking) technology to optimize energy harvest from a 24-48V DC input, increasing charging efficiency.
- Designed to charge standard lead-acid (PB) batteries, ensuring broad compatibility with common battery chemistries.

NOMINAL OUTPUT VOLTAGE	MAX OUTPUT CURRENT	INPUT VOLTAGE MAX	WEIGHT
12 V	40 A	175 V	3,8 kg

Technical Specifications

Input		Output	
Input Voltage Max	175 V	Nominal Output Voltage	12 V
Charging Features		Max Output Current	40 A
Charge Stages	4	Supported Voltages	12/24/48
Supported Battery Types	Lead-acid	Connectivity & Protection	
Physical Specifications		Reverse Polarity Protection	? Yes
Length	310 mm	Short Circuit Protection	? Yes
Width	220 mm		
Height	120 mm		
Weight	3,8 kg		
IP Rating	IP54		

Regulatory Compliance

CE Standards: EN 60335-2-29, EN 55014, EN 61000-3-2
 Regulatory: CE

Product Identification

Item Code: **VT-40**
 Manufacturer Code: **VT-40**
 Model: **VT-40**