

STUDER 48V 80A MPPT Controller

Solar Charge Controller | STUDER | VT-80



Multi-shift system demands require rapid 48V battery replenishment, which this 80A MPPT controller delivers by optimising solar energy capture. It precisely tracks the maximum power point of solar panels, ensuring superior energy conversion efficiency for automotive, caravan, camper, and marine applications.

Features

- Maximize solar energy capture with 80A charging current for rapid 48V battery replenishment, ensuring your systems stay powered longer.
- Engineered for robust performance in automotive, caravan, camper, and marine environments, providing reliable energy management wherever you travel.
- Leverages advanced MPPT technology to precisely track the maximum power point of solar panels, delivering superior energy conversion efficiency compared to standard controllers.
- Designed for 48V DC systems, offering broad compatibility with larger battery banks commonly found in professional mobile and off-grid setups.

MAX PV VOLTAGE	MAX PV POWER	MAX CHARGE CURRENT	CONTROLLER TYPE	MPPT TRACKERS
175 V	5.000 W	80 A	MPPT	1

Technical Specifications

PV Input		Battery Output	
Max PV Voltage	175 V	Max Charge Current	80 A
Max PV Power	5.000 W	Auto Voltage Detection	? Yes
MPPT		Physical Specifications	
Controller Type	MPPT	Length	350 mm
MPPT Trackers	1	Width	220 mm
Tracking Efficiency	99 %	Height	120 mm
		Weight	5,5 kg
		IP Rating	IP54

Regulatory Compliance



Standards: EN 62109-1, EN 62109-2
Regulatory: CE

Product Identification

Item Code: **VT-80**
Manufacturer Code: **VT-80**
Model: **VT-80**