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

Max PV Voltage	**175 V**
Max PV Power	**5.000 W**

MPPT

Controller Type	**MPPT**
MPPT Trackers	**1**
Tracking Efficiency	**99 %**

Battery Output

Max Charge Current	**80 A**
Auto Voltage Detection	**? Yes**

Physical Specifications

Length	**350 mm**
Width	**220 mm**
Height	**120 mm**
Weight	**5,5 kg**
IP Rating	**IP54**

Regulatory Compliance

CE

Standards: EN 62109-1, EN 62109-2

Regulatory: CE

Product Identification

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

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