

MPS-100

External power supply with solar and battery operation

“MPS-100” is your portable power supply for the Sonic2020 and required external sensors. The combination of rechargeable battery and solar panel in a durable hard case provides enough power to run the multibeam echo sounder, its external sensors and a laptop for 8 hours.

The waterproof case has two 230 V AC sockets for the Sonic 2020 and the laptop.

Two 12 V output sockets are available for GNSS receiver and sound velocity probe. The case will remain closed during operation leaving its contents splash-proof. For battery charging, however, the case must be opened.

The solar panel can be connected to a third 12 Volt input socket. The solar charger integrated in the case is supplied with energy from the solar panel and then stores it in the batteries. Utilizing the latest and fastest technology, the solar charger maximizes this energy and intelligently directs it to recharge the batteries quickly.



Features:

Battery status indicator analog and via Bluetooth, Control of the solar charger via Bluetooth, Maintenance-free and fast-charging battery: Can be fully charged in one to three hours. Protected against total discharge. The MPS-100 is also available without batteries to accommodate for easier air freight handling. The batteries may be acquired and installed by the customer at a later stage.

Hard Case		Solar Panel	
Type:	Pelicase 1610	Type:	SunWare TX -22039 76Wp 12V
Dimensions:	63 x 50 x 30.5 cm	Dimensions:	87,3 x 82,6 x 0,5 cm
Weight:	ca. 28 kg mit Inhalt	Weight:	5 kg
Sockets:	2 x 220 V AC, waterproof	Connector:	waterproof
	2 x 12 V DC, output, waterproof	Socket:	waterproof
	1 x 12 V DC, input, waterproof	Fabric:	Tarpaulin
Content:	Battery charger and status display	Cable:	10m UV resistance
	Inverter	Fixings:	Tenax, bottom parts enclosed
	LiFePo batteries	Power:	76 Wp
	Solar charger		
	Main switch, fuses		
Power:	100 Ah with max. 300 watt		

