

Lithium Battery Solar Side

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Solar Side is designed for small Solar Home and portable power applications. It has a storage capacity of 51/89 Wh for operating lamps, small TVs and other standard 12 VDC appliances. The built in LCD display allows the user to get detailed information on remaining operation time of the connected loads until the battery is empty, Battery SOC, Charging and Discharging status. The built in charging algorithm ensures optimized operation of the long life LiFePO4 battery under all environmental conditions. The USB outlet allows many 5 V USB devices to be recharged or operated.

Features:

- Long life Lithium (LiFePO4) rechargeable battery
- Built in solar charger with MPPT
- Rugged Aluminum / PC housing
- LCD display with backlight
- LED warning signal
- Touch switch for LCD backlight on and low power activation
- 3 load outlet connectors
- 5 V USB outlets for charging mobile phone
- Flexible assembly structure for multiple application
- IP63 for Battery and Electronics
IP22 for Terminals



Technical Data	Solar Side 4	Solar Side 7
Nominal voltage [V]		12,8
Battery type		LiFePO4
Battery capacity	4000 mAh/51 Wh	7000 mAh/89 Wh
Charging current	1,5 A (max. 20 W) – Solar Panel: Max. 25 VOC, no power limit, several Solar Side units can be connected to one panel for charging	
Load current	5 A	
Working temperature	-20 ... +50 °C	
USB outlet	5 V/1,5 A	
Dimensions (l x w x h) [mm]	158 x 85 x 65	224 x 85 x 65
Weight [g]	680	1030
Protection	IP63: Battery + Electronics / IP22: Connectors	
Display	LCD + LED	
Connector types	Panel: 1 female plug (5,5/2,5 mm) – Load: 3 female plug (4,75/1,7 mm) – USB: USB-A	
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