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Technical specifications

Technische Daten

Model Modell	VB001
Applications Anwendung	12V installations
nominal voltage Nennspannung	12.8V
Capacity Leistung	172Ah
Total Energy Gesamtenergie	2200Wh
Cut off discharge Voltage Entladeschlussspannung	11.2V
Full charge Voltage Ladeschlussspannung	14.6V
Standard Charge Current Empfohlener Ladestrom	60A / 0.33C
Max. Charge current Max. Ladestrom	172A / 1C
Duration discharge current Dauer Entladestrom	200A / 1C
Max. Discharge current (5 sec.) Max. Entladestrom (5 sek.)	400A / 2C
Max. Discharge current (1 sec.) Max. Entladestrom (1 sek.)	600A / 3C
Cell Type Zellentyp	LiFePO4
Resistance Widerstand	≤15mΩ
Terminal Connection Anschluss	M8
Outside Dimensions Außenabmessungen	357*152*338mm
Net Weight Nettogewicht	26.7kgs
Gross Weight Bruttogewicht	31kgs
Charge Temperature Ladetemperatur	"-20°C .. +60°C
Discharge Temperature Temperaturbereich (Ladung)	0°C -55°C
Temperature range (storage) Temperaturbereich (Lagerung)	"-20°C .. +60°C
Communication Datenübertragung	RS485
Communication Terminal Datenübertragungsendgerät	RJ45
Inverter Wandler	12V 3000W
Cycle life Zykluslebensdauer	≥3000 bei 80% DoD ≥2500 bei 90% DoD
Charging characteristic Arbeitsspannungsbereich	CCCV / IU
Shell material Schalenmaterial	Metal/ Metall
Certificate	MSDS ,UN38.3,CE,RoHS



battery Wiring chuck

Integrated (BMS)

Battery management system,with adaptive cell compensation.
Protection against short circuit, overcharging and overdischarging

High performance traction / storage battery

especially for mobile use in motorhomes with highest demands Safest lithium technology
For Solar Panel

Safest lithium technology

Lithium Iron Phosphate (LiFePO4) No gases, no explosion or fire hazard

High cycle life

over 3000 cycles even with regularly deep discharge

High discharge current

High discharge current without voltage drop for strong consumers eg coffee machines and air conditioners.

Low weight

Weight savings up to 26.7kg compared to 12V AGM lead acid batteries with 54Kg

Replaceable one to one with lead-acid batteries

AGM / GEL without changing the loading / unloading structure
changed not needed different charger type (same as used with lead acid).

Low self-discharge

Only about 10% per year for storage / non-use