

# Beltrona GmbH & Co.KG

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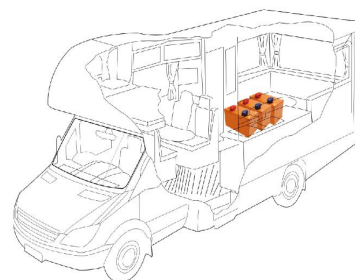
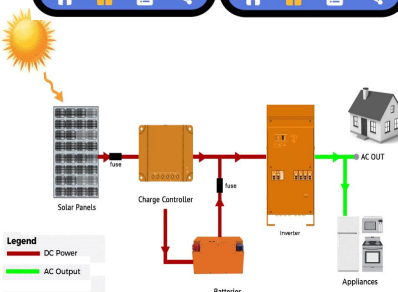
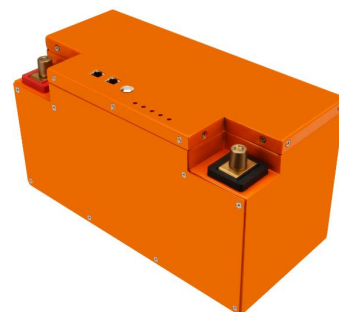
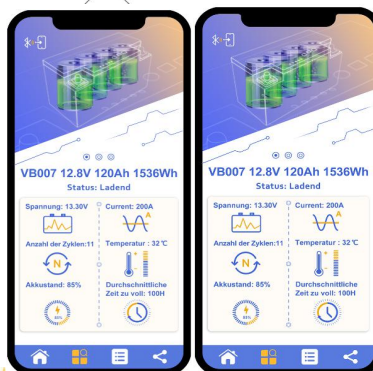
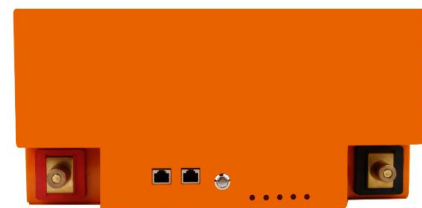
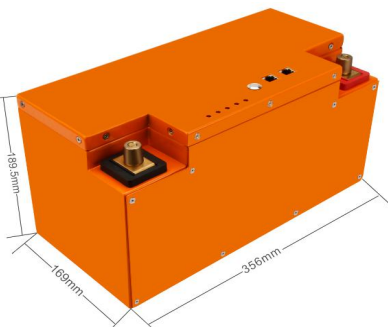
WEEE-Reg.-Nr. DE 15357987

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## Technical specifications

### Technische Daten

Model Modell	VB007
<b>Bluetooth monitoring Bluetooth-Überwachung</b>	<b>PowerQuarry</b>
Applications Anwendung	12V installations
nominal voltage Nennspannung	12.8V
Capacity Leistung	120Ah
Total Energy Gesamtenergie	1536Wh
Cut off discharge Voltage Entladeschlussspannung	11.2V
Full charge Voltage Ladeschlussspannung	14.6V
Standard Charge Current Empfohlener Ladestrom	60A / 0.5C
Max. Charge current Max. Ladestrom	120A / 1C
Duration discharge current Dauer Entladestrom	180A / 1.5C
Max. Discharge current (3 sec.) Max. Entladestrom (3 sek.)	360A / 3C
Cell Type Zellentyp	LiFePO4
Resistance Widerstand	≤10mΩ
Terminal Connection Anschluss	M8
Outside Dimensions Außenabmessungen	356*169*189.5mm
Net Weight Nettogewicht	20kgs
Gross Weight Bruttogewicht	23kgs
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
Applied Inverter Angewendet 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



#### Bluetooth monitoring

allows to check batteries status via bluetooth with a smartphone or other Bluetooth-enabled device

#### 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

## How to connect the Bluetooth

Step1.Download the Bluetooth App"PowerQuarry" on the phone.

Step2: Our App has 7 kinds of Languages now: Chinese, English,German ect.

Step3: Choose the battery model you need to connect.

Step4: Then you can see the details situation about the battery (Charge, discharger , and No-Load)

Step5: You can check the battery manual and other infomation.

