



## DEEP CYCLE BATTERIES / Easy Series

*Deep cycle batteries for traction and semitraction with intelling on board BMS and CANBUS communication*

**24 and 48 V / from 100 to 200 Ah**

Ultralight and compact lithium batteries based on LiFePO4 technology. Specifically developed for heavy duty application where longer lifecycle is desired, as long as plug and play installation and REAL SoC over CANBUS

- Small traction systems
- Auxiliary services for Caravans and RVs
- Small AGV-LGV shuttles
- Industrial cleaners

### Exclusive characteristics

- Maximum capacity in minimum space
- Useful life is 5 or 10 times higher than a traditional battery
- Weight reduction: 50% lighter than a traditional battery
- Ultrafast fully charge
- Fit any mounting position
- Excellent behavior at high temperature
- Exceptional reserve of charge and voltage stability under load

### Ecology and Safety

- Lithium iron phosphate cells LiFePO4 for maximum safety
- Embedded electronics protection (over current, over charge and under discharge)
- No liquids inside
- Low environmental impact materials
- Free from lead and other harmful materials according to ROHS
- Strong plastic housing in PE-PP

### Embedded BMS

- Integrated Canbus communication **and advanced I/O features**
- BMS with safety functions and internal relay
- Internal fuse
- Autosleep / wakeup functions
- USB Port for diagnostic

### Certifications

- EMC [ EN 61000-6-1, EN 61000-6-3 ]
- CE Conformity

**Technical Specs**

Model	24V 100AH	24V 160AH	24V 200AH	48V 100AH	48V 200AH
Nominal Voltage	25.6 V			51.2 V	
Capacity	100AH	160AH	200AH	100AH	200AH
Energy	2560 Wh	4096 Wh	5120 Wh	5120 Wh	10240 Wh
Continuous discharge current	100 Amp	160 Amp	200 Amp	100 Amp	200 Amp
Peak discharge 30s	200 Amp	320 Amp	400 amp	200 Amp	400 Amp
Continuous charge current @ 25°C	20 Amp	32 Amp	40 Amp	20 Amp	40 Amp
Max charge current @ 25°C	40 Amp	64 Amp	80 Amp	40 Amp	80 Amp
Cycles	3000 cicli @ 80% Dod @ 25°C con energia residua 60% (carica-scarica 1C)				
Useful life	5/7 anni				
Charging Voltage	28.8 V			57.6 V	
Charging voltage MAX	29.2 V			58.4 V	
weight	32 Kg	45 Kg	58 Kg	58 Kg	110 Kg
Dimensions [mm]	300 x 345 x H285	280 x 620 x H285	280 x 620 x H285	300 x 620 x H285	550 x 620 x H285
Terminal	M8 Threaded hole				
Ambient Temp	-20 / + 60°C operative -10 / + 35°C long term storage				
Battery Pb. eq.	<b>160 Ah</b>	<b>240 Ah</b>	<b>300 Ah</b>	<b>160 Ah</b>	<b>300Ah</b>

Numero Verde  
**800 132 166**

