



## DEEP CYCLE BATTERIES / Easy Series

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

**12 and 24 V / from 65 to 400 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
- BMS with safety functions and internal relay
- External fuse
- Autosleep / wakeup functions
- USB Port for diagnostic

### Certifications

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

**Technical Specs**

Model	12EY050	12EY065	12EY105	12EY120	12EY400	24EY050	24EY065	24EY105	24EY200
Nominal Voltage	12.8 V					25.6 V			
Capacity	51 Ah	68 Ah	102 Ah	119 Ah	408 Ah	51 Ah	68 Ah	102 Ah	204 Ah
Energy	635 Wh	870 Wh	1305 Wh	1524 Wh	5223 Wh	1305 Wh	1741 Wh	2612 Wh	5223 Wh
Continuous discharge current	50Amp	65Amp	100Amp	135Amp	200Amp	50Amp	65Amp	100Amp	200Amp
Peak discharge 30s	100Amp	130Amp	200Amp	200Amp	400Amp	100Amp	130Amp	200Amp	400Amp
Continuous charge current @ 25°C	10Amp	10Amp	20Amp	20Amp	80Amp	10Amp	10Amp	20Amp	40Amp
Max charge current @ 25°C	20Amp	20Amp	40Amp	40Amp	160Amp	20Amp	20Amp	40Amp	80Amp
Cycles	2500 cycles @ 80% dod @ 25°C with 60% residual energy (charge-discharge 1C)								
Useful life	5/7 years								
Charging Voltage	14.4 V					28.8 V			
Charging voltage MAX	14.6 V					29.2 V			
weight	7.8 Kg	10.2 Kg	14.6 Kg	15.9 Kg	51 Kg	14.6 Kg	16.1Kg	26 Kg	51 Kg
Dimensions [mm]	240 x 185 x H190	240 x 185 x H240	342 x 184 x H195	342 x 184 x H195	620 x 192 x H340	342 x 184 x H195	342 x 184 x H240	342 x 345 x H195	620 x 192 x H340
Terminal	Pos. DX M8	Pos. DX M8	Pos. DX M8	Pos. DX M8	Pos. Fr. M8	Pos. DX M8	Pos. DX M8	Pos. DX M8	Pos. Fr. M8
Ambient Temp	-20 / + 60°C operative -10 / + 35°C long term storage								
Battery Pb. eq.	65 Ah	85 Ah	130 Ah	160 Ah	600 Ah	2x65 Ah	2x85 Ah	2x130 Ah	2x280 Ah

Numero Verde  
**800 132 166**

