

LFP SMART POWERPACKS - 12V STANDARD REPLACEMENT RANGE

THE SMART GENERATION OF ENERGY STORAGE



Longer life with increased charge cycles



Two thirds less weight than
equivalent lead acid batteries



Smart Battery Management System
built in for easy recharge and safety



Fully recyclable



Non toxic - no lead, no heavy metals



Zero emissions and rated to 55°C
operating temperature



Australian designed and engineered





THE SMART GENERATION OF ENERGY STORAGE IS HERE.

Featuring

- Two thirds less weight than lead acid batteries
- Smart Battery Management System built in - easy recharge and more cycles
- Fully recyclable packs
- Non toxic - no lead, no heavy metals
- Zero emissions and rated to 55°C operating temperature
- 100% depth of discharge (DoD) possible every cycle

Your benefits

- Lighter weight and smaller size for ease of handling
- 4 times longer cycle life than lead acid means less replacements and cheaper maintenance*
- All materials in the LFP Smart Powerpacks can be extracted and recycled and are accepted by commercial recyclers
- The LFP* chemistry means no expansion, emissions or excess heat generation
- The smart Battery Management System will always protect the cells, great for constant demand from vital systems
- Make the most of available sunlight from PV solar panels
- LFP gives approx. 4000 cycles compared to 1000 cycles for Lead Acid at 75% Depth Of Discharge (DoD)

*Lithium Ferro Phosphate

Colour coded terminals

Smart Battery Management System built in for easy recharge and safer discharge



IT'S SMARTER WITH BMS (BATTERY MANAGEMENT SYSTEM)

Each LFP Powerpack has an internal self regulating Battery Management System (BMS). The BMS protects the battery from irregular charge feed and over voltage/over current events. Charging has never been easier and safer. Ideal for Solar PV designs. The BMS also monitors internal cell temperature.

LFP 12v 100 Ah specifications (see back page for all other specifications)








Technology:	LiFePO ₄
Nominal voltage:	12.8V
Nominal capacity:	100AH
Nominal current:	25A
Maximum current:	100A
Charge/discharge:	5000 cycles at 75% DOD
Operating temperature:	-20 to 55°C
Size (L x W x H):	342 x 173 x 212mm
Warranty:	See www.genz.com.au
Weight:	14kg










Internal Battery Management System

Over-voltage cut-off	14.6V
Under-voltage cut-off	10V
Over-temperature cut-off	65°C
Short circuit protection	140±30A (20mS trip)



DESCRIPTION	SPECIFICATIONS	
1 12V 6.4AH LIFEP04 BATTERY Weight: 0.9KG±0.1Kg	Dimension: 152*65*93mm Max working current: 5A Peak current: 12A±2A Charging current: <5A Discharge auto cut off: ~10V Inner Resistance: <90mΩ	
2 12V 7.5AH LIFEP04 BATTERY Weight: 1.1KG±0.1Kg	Dimension: 152*65*93mm Max working current: 15 A Peak current: 70±10 A Charging current: <5A Discharge auto cut off: ~10V Inner Resistance: <90mΩ	
3 12V 12AH LIFEP04 BATTERY Weight: 1.7KG±0.1Kg	Dimension: 151*98*94mm Max working current: 24A Peak current: 40±3 A Charging current: <5A Discharge auto cut off: ~10V Inner Resistance: <60mΩ	
4 12V 16AH LIFEP04 BATTERY Weight: 2.2KG±0.2Kg Loom included in kit	Dimension: 168*128*98mm Max working current: 25A Peak current: 60A±10 A Charging current: <5A Discharge auto cut off: ~10V Inner Resistance: <35mΩ	
5 12V 18AH LIFEP04 BATTERY Weight: 2.7KG±0.2Kg	Dimension: 180*76*166mm Max working current: 17A Peak current: 60±10A Charging current: <4A Discharge auto cut off: ~10V Inner Resistance: <50mΩ	
6 12V 20AH LIFEP04 BATTERY Weight: 2.8KG±0.2Kg	Dimension: 180*76*166mm Max working current: 20A Peak current: 60±10A Charging current: <4A Discharge auto cut off: ~10V Inner Resistance: <60mΩ	
7 12V 22AH LIFEP04 BATTERY Weight: 2.9KG±0.2Kg Loom included in kit	Dimension: 168*128*126mm Max working current: 25A Peak current: 60±10A Charging current: <5A Discharge auto cut off: ~10V Inner Resistance: <40mΩ	

DESCRIPTION	SPECIFICATIONS	
8 12V 26AH LIFEP04 BATTERY Weight: 3.4KG±0.2Kg	Dimension: 166*125*173mm Max working current: 20A Peak current: 90±10A(20mS) Charging current: <10A Discharge auto cut off: ~10V Inner Resistance: <50mΩ	
9 12V 30AH LIFEP04 BATTERY Weight: 3.9KG±0.2Kg	Dimension: 175*175*122mm Max working current: 40A Peak current: 45±10A(20mS) Charging current: <6A Discharge auto cut off: ~10V Inner Resistance: <35mΩ	
10 12V 33AH LIFEP04 BATTERY Weight: 4.3KG±0.2Kg	Dimension: 195*133*157mm Max working current: 20A Peak current: 45±5A(20mS) Charging current: <20A Discharge auto cut off: ~10V Inner Resistance: <50mΩ	
11 12V 40AH LIFEP04 BATTERY Weight: 5.7KG±0.2Kg	Dimension: 195*166*176mm Max working current: 40A Peak current: 150±10A(20mS) Charging current: <6A Discharge auto cut off: ~10V Inner Resistance: <60mΩ	
12 12V55AH LIFEP04 BATTERY Weight: 7.85KG±0.2Kg	Dimension: 257*133*210mm Max working current: 22A Peak current: 45±10A(20mS) Charging current: <22A Discharge auto cut off: ~10V Inner Resistance: <37mΩ	
13 12V 65AH LIFEP04 BATTERY Weight: 9.2KG±0.2Kg	Dimension: 250*160*212mm Max working current: 30A Peak current: 120±10A(20mS) Charging current: <15A Discharge auto cut off: ~10V Inner Resistance: <50mΩ	
14 12V 100AH LFP BATTERY Weight: 13.6KG±0.2Kg	Dimension: 342*173*212mm Max working current: 100A Peak current: 250±30A(20mS) Charging current: <25A Discharge auto cut off: ~10V Inner Resistance: <80mΩ	

Specification sheets available for each LFP Smart Powerpack.

Product design and specification subject to change or modification without notice - images for illustration only. EGOE.



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