

genZ
Smartest Battery Choice.

LFP CAPACITY STORAGE 12V, 24V, 48V

SCALABLE ENERGY STORAGE



Longer life with increased charge cycles



One third of the weight of equivalent lead acid batteries



Battery Management System built in for easy recharge and safety



Fully recyclable

**NON
TOXIC**

Non toxic - no lead, no heavy metals



Zero emissions and rated to 55°C operating temperature



SPECIFICATIONS

Each LFP battery uses stable Lithium Ferro Phosphate (LiFePO₄) chemistry combined with the safety of a Battery Management System (BMS).

Nominal Voltage	12.8V (12V)	25.6V (24V)	51.2V (48V)
Nominal Capacity	100Ah	50 Ah	25Ah
Nominal Current	40A	30A	20A
Max Current	150A (30 seconds)	100A (30 seconds)	70A (30 seconds)
Charge/Discharge Cycles	5000 @ 75% DoD, 25°C	5000 @ 75% DoD, 25°C	5000 @ 75% DoD, 25°C
Operating Temp	Charge 0° to 55°C Discharge -20° to 60°C	Charge 0° to 55°C Discharge -20° to 60°C	Charge 0° to 55°C Discharge -20° to 60°C
Ingress Protection	IP52	IP52	IP52
Size	342mm(L) x 172mm(W) x 214mm(H)	342mm(L) x 172mm(W) x 214mm(H)	342mm(L) x 172mm(W) x 214mm(H)
Terminal	M8 Red + Black -	M8 Red + Black -	M8 Red + Black -
Weight	14kg	14kg	14kg
BMS Over Volt Cut Off	14.6V	29.2V	58.4V
BMS Under Volt Cut Off	10V	20V	40V
BMS Short Circuit Cut Off	200 ± 30A (20mS Trip)	150 ± 30A (20mS Trip)	120 ± 30A (20mS Trip)
BMS Over Temp Cut Off	65°C	65°C	65°C
Charge Time	Approx. 5 hours at 20A	Approx. 5 hours at 10A	Approx. 5 hours at 5A
Warranty	See www.genz.com.au	See www.genz.com.au	See www.genz.com.au

Product design and specification subject to change or modification without notice - images for illustration only. E80E.

Featuring

- Significantly reduced size and one third of the weight of equivalent lead acid batteries.
- Battery Management System built in - easy recharge and more cycles
- LFP batteries are fully recyclable
- Non toxic - no lead, no heavy metals
- Zero emissions and rated to 55°C operating temperature
- 100% depth of discharge (DoD) possible every cycle
- Faster recharge at >96% efficiency

Your benefits

- Lighter weight and smaller size for ease of handling
- 4 times longer cycle life than lead acid means less replacements and lower maintenance costs
- All materials in the LFP batteries can be extracted and recycled and are accepted by commercial recyclers
- The LFP chemistry means no expansion, emissions or excess heat generation
- The built in Battery Management System will always protects the cells. Great for constant demand from vital systems
- LFP gives approx. 5000 cycles compared to 1000 cycles over lead acid at 75% depth of discharge (DoD).

Contact Us

PERTH 6 Pavers Circle, Malaga WA 6090

Phone 1300 73 55 83

Email info@genz.com.au

Web www.genz.com.au

ABN 62 612 014 589