

## LFP CAPACITY STORAGE 12V, 24V, 48V

### SCALABLE ENERGY STORAGE



Safe and proven  $\text{LiFePO}_4$  chemistry using cylindrical cells



Greater cycle life reducing total cost of ownership



Less than half the weight of an equivalent lead acid battery



Integrated Battery Management System (BMS) for added safety and reliability



Fully recyclable and accepted by Australian recyclers



No outgassing of dangerous gasses such as Hydrogen Sulphide



4 year warranty\*



[genz.com.au](http://genz.com.au)



# SPECIFICATIONS

Each genZ battery uses safe and proven Lithium Ferro Phosphate (LiFePO<sub>4</sub>) chemistry combined with an integrated Battery Management System (BMS) for added safety and reliability.

Nominal Voltage	12.8V (12V)	25.6V (24V)	51.2V (48V)
Nominal Capacity	120Ah	60Ah	30Ah
Nominal Current	61A	30A	20A
Max Current	150A (30 seconds)	100A (30 seconds)	70A (30 seconds)
Charge/Discharge Cycles	6000 @ 80% DoD, 25°C	6000 @ 80% DoD, 25°C	6000 @ 80% DoD, 25°C
Operating Temp	Charge 0° to 45°C Discharge -20° to 60°C	Charge 0° to 45°C Discharge -20° to 60°C	Charge 0° to 45°C Discharge -20° to 60°C
Ingress Protection	IP52	IP52	IP52
Size	330mm(L) x 173mm(W) x 218mm(H)	330mm(L) x 173mm(W) x 218mm(H)	330mm(L) x 173mm(W) x 218mm(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 <a href="http://www.genz.com.au">www.genz.com.au</a>	See <a href="http://www.genz.com.au">www.genz.com.au</a>	See <a href="http://www.genz.com.au">www.genz.com.au</a>

## Featuring

- Integrated Battery Management System for added safety and longevity
- 12V batteries can be connected in series to create a battery bank up to 48V
- All materials in the genZ battery can be extracted and recycled and are accepted by commercial recyclers
- The genZ safe LFP chemistry means no risk of expansion, dangerous gas emissions or excess heat generation
- Zero emissions and rated to 60°C operating temperature
- 100% depth of discharge (DoD) possible
- Less energy loss at > 96% efficiency

Product design and specification subject to change or modification without notice - images for illustration only. E60E.  
\* Terms and conditions apply

## Your benefits

- Lighter weight and smaller size for ease of handling
- Up to 4 times longer cycle life than lead acid batteries and maintenance free
- GenZ battery delivers approx. 6000 cycles compared to 1000 cycles over lead acid at 80% depth of discharge (DoD)
- Tried and proven terminal connections via M8 bolts

## Contact Us

Phone 1300 73 55 83  
Email [info@genz.com.au](mailto:info@genz.com.au)  
Web [www.genz.com.au](http://www.genz.com.au)

