

Lead-Acid Replacement Range:

12V, 24V and 48V Lithium Ferro Phosphate (LFP) BATTERIES

with integrated self-managed Battery Management System (BMS)

	12.8V (12V)	25.6V (24V)	51.2V (48V)
Nominal Capacity	120Ah	60Ah	30Ah
Maximum Continuous Current	30A	18A	15A
Charge/Discharge Cycles	2,500 @ 100% DoD, 10-40°C	2,500 @ 100% DoD, 10-40°C	2,500 @ 100% DoD, 10-40°C
Charge Voltage	14.4V	28.8V	57.6V
Float Voltage	13.6 - 13.8V	27.2 - 27.6V	54.2 - 55.2V
BMS over-Voltage Cut-off	14.6V (approximate)	29.2V (approximate)	58.4V (approximate)
BMS under-Voltage Cut-off	10V (approximate)	20V (approximate)	40V (approximate)
BMS Short Circuit Cut-off	Yes (20ms trip)	Yes (20ms trip)	Yes (20ms trip)
BMS over-Temperature Cut-off	65°C		
Charge time approximate	5 hours at 24A	5 hours at 12A	5 hours at 6A
Operating Temperature	Charge 0° to 60°C, discharge -20° to 60°C		
Terminal Information	M8 Bolt: red (+), black (-). Terminal post adaptors available		
Ingress Protection Rating	IP65		
Dimensions (mm)	328(L) x 172(W) x 213(H) ± 3mm		
Weight of Module	13.6 ± 0.3kg	13.8 ± 0.3kg	13.7 ± 0.3kg
Lithium Composition	Lithium Ferro Phosphate (LiFePO ₄ or LFP)		
Warranty	5 years. See genz.com.au for Terms & Conditions		
Compatible Inverter/Chargers#	genZ batteries generally compatible with a wide range of inverters and chargers that are typically used with lead acid and lithium batteries. genZ batteries operate independant of communications with chargers and inverters.		
Important Wiring Notes	Can be connected in parallel to increase system capacity. Connecting in series will void warranty.		
Part Number	GC12V-120LFP-C	GC24V-060LFP-C	GC48V-030LFP-C

*See local genZ Distributor for compatibility queries



Since 2015, genZ Energy products continue to be the LFP battery of choice for not only mission critical defense, mining, and government infrastructure but also the choice for off-grid/hybrid homes and businesses. In addition genZ batteries are used in caravans, boats and as auxiliary batteries in SUVs and RVs.

Every genZ battery is manufactured with A grade cylindrical LFP cells which are matched to a fully integrated and automatic Battery Management System (BMS). This enables genZ to boast industry leading safety, reliability and longevity.



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Scalable Energy Storage Solutions