

Telco Range: 12V, 48V

Lithium Ferro Phosphate (LFP) BATTERIES

with integrated self-managed Battery Management System (BMS)

	12.8V (12V)	51.2V (48V)
Nominal Capacity	152Ah	38Ah
Nominal Charge Current	60A	19A
Maximum Continuous Current	60A	19A
Charge/Discharge Cycles	2,500 @ 100% DoD, 10-40°C	
Charge Voltage	14.4V	57.6V
Float Voltage	13.6 - 13.8V	54.2 - 55.2V
BMS over-Voltage Cut-off	15.6V (approximate)	58.4V (approximate)
BMS under-Voltage Cut-off	10V (approximate)	40V (approximate)
BMS Short Circuit Cut-off	140A (20ms)	140A (20ms)
BMS over-Temperature Cut-off	65°C	
Charge time approximate	2.5 hours at 60A	2 hours at 19A
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)	550(L) x 112(W) x 315(H) ± 2mm	550(L) x 112(W) x 315(H) ± 2mm
Weight of Module	16 ± 0.2kg	
Lithium Composition	Lithium Ferro Phosphate (LiFePO ₄ or LFP)	
Warranty	5 years*	
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 independent of communications with chargers and inverters.	
Important Wiring Notes	Can be connected in parallel to increase system capacity. Series connection will void warranty.	
Part Number	GC12V-152LFP-S	GC48V-038LFP-T-C



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 grade 'A' cylindrical LFP cells which are matched to a fully integrated and automatic Battery Management System (BMS) to provide industry leading safety, reliability and longevity.



Contact

E: info@genz.com.au
M: +61 (0)455 974 717
P: +61 1300 979 760
W: www.genz.com.au



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