

24V 3kWh - Monitored

Lithium Ferro Phosphate (LFP) Battery Modules

with integrated self-managed Battery Management System (BMS)

	3kWh
Nominal Voltage DC	25.6V (24V nominal)
Nominal Capacity	3kWh / 115.2Ah
Maximum Current	60A (limited by circuit breaker)
Charge/Discharge Cycles	10,000 @ 80% DoD, 25°C
Maximum DC Power	2949 Watts
Nominal Charge Current	40A
Nominal Discharge Current	40A
Round Trip / Discharge Efficiency	> =96%
BMS over-Voltage cut-off	29.2V
BMS under-Voltage cut-off	20V
BMS short circuit cut-off	200 ± 30A (20ms trip)
BMS Over-temperature Cut-off	65°C
Charge time approximate	3 hours at 40A
Operating Temperature	Charge 0° to 55°C, discharge -20° to 60°C
Terminal Connection	Anderson SB50 red, UL Rated to 120A
Alarm out Connector	6 pin Amphenol LTW Connector
Circuit Breaker Compliance	60A dual pole, non-polarised, hydraulic magnetic, IEC 60947-2
Casing	Surfmist industrial coated steel
IP Rating	IP50
Battery case Dimensions (mm)	570(D) x 420(W) x 88(H)
Weight of Module	35kg
Installation options	Rackmount, vertical mount. See genz.com.au for details
Warranty	10 years. See genz.com.au for Terms & Conditions
Lithium Composition	Lithium Ferro Phosphate (LiFePO ₄ or LFP)
Certifications	ROHS, RCM, CE and UN38.3 See genz.com.au for details
Part Number	GC24V-115LFP-2RU-2-M



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