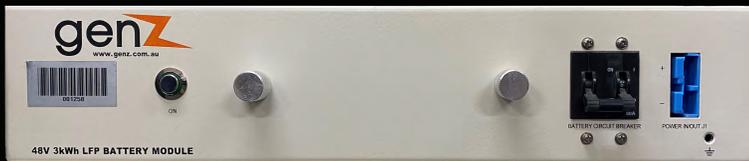




48V 2kWh AND 3kWh LITHIUM FERRO PHOSPHATE BATTERY MODULES

with integrated Battery Management System



	2kWh	3kWh
Voltage DC	48V (51.2V nominal) (Range 40V-58.4V)	
Nominal Capacity	2kWh / 38.4Ah	3kWh / 57.6Ah
Maximum Current	60A (limited by circuit breaker)	
Charge/Discharge Cycles	10,000 @ 80% DoD, 25°C *	
Maximum DC Power	1966 Watts	2949 Watts
Nominal Charge Current	19.2 Amps	28.8 Amps
Nominal Discharge Current	19.2 Amps	28.8 Amps
Round Trip / Discharge Efficiency	>=96%	
BMS over-Voltage cut-off	58.4V	
BMS under-Voltage cut-off	40V	
BMS short circuit cut-off	200 ± 30A (20ms trip)	
BMS Over-temperature Cut-off	65°C	
Charge time approximate	2 hours at 19.2A	2 hours at 28.8A
Operating Temperature	charge 0° to 55°C, discharge -20° to 60°C	
Terminal Connection	Anderson SB50 blue, UL Rated to 120A	
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)	450(D) x 420(W) x 88(H)	570(D) x 420(W) x 88(H)
Weight of Module	24.2kg	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	IEC629619:2017, AS/NZS 60950	
Decisive Voltage Classification (DVC)	Class A	
Part Number	GC48V-040LFP-2RU	GC48V-060LFP-2RU

* See Manual and T&C



Certified & Approved to International Standard IEC 62619:2017



LFP Deep Cycle Batteries | Designed and Engineered in Australia
Perth | Brisbane | Melbourne | Adelaide

