

LITHIUM FERRO PHOSPHATE BATTERY MODULES

SCALABLE ENERGY STORAGE

Specifications - 48V-2RU-M

Nominal Capacity	38.4Ah / 2kWh	57.6Ah / 3kWh
Nominal Voltage DC	51.2V	
Usable Capacity	1.57kWh	2.36kWh
Maximum current	60A (limited by circuit breaker)	
Charge/Discharge Cycles	10,000 @ 80% DoD, 25°C	
Operating Temperature	charge 0° to 55°C discharge -20° to 60°C	
Operating humidity	85% (non condensing)	
Rated DC Power	980 Watts	1470 Watts
Max Charge Power	980 Watts	1470 Watts
Battery case dimensions (mm)	450(D) x 420(W) x 88(H)	570(D) x 420(W) x 88(H)
Battery tray dimensions (mm)	450(D) x 483(W)	570(D) x 483(W)
Tray slide range (mm)	480 to 760	590 to 880
Terminal connection	Anderson SB50 blue, UL Rated to 120Amps	
Weight module	25.8kg	35kg
IP Rating	IP50	
BMS over voltage cut off	58V	
BMS under voltage cut off	40V	
BMS short circuit cut off	200 ± 30A (20mS trip)	
BMS over temperature cut off	65°C	
Charge time approx.	2 hours at 20A	3 hours at 20A
Self discharge	14% per annum	
Circuit breaker compliance	60Amp dual pole, non-polarised, Hydraulic Magnetic IEC 60947-2	
Lithium composition	Lithium Ferro Phosphate (LiFePO ₄ or LFP)	
Casing	Satin white industrial coated steel	
Certifications	IEC62619:2017, AS/NZS60950 See genz.com.au for other certifications	
Alarm Out Connector	6 pin Amphenol LTW connector	
Model number	GC48V-040LFP-2RU-M	GC48V-060LFP-2RU-M



Contact Us

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Certified & Approved to Australian Standard AS/NZS 60950



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