

Battery Specifications

	24V - 3kWh - 2RU	48V - 3kWh - 2RU
Nominal Voltage DC	25.6V (24V)	51.2V (48V)
Nominal Capacity	115.2Ah/3kWh	57.8AH/3KWH
Maximum Current	60A (Limited by circuit breaker)	60A (Limited by circuit breaker)
Charge/Discharge cycles to specified Depth of Discharge (DoD)	10,000 @ 80% DoD 5,000 @ 90% DoD (2,500 @ 100% DoD and 1C)	10,000 @ 80% DoD 5,000 @ 90% DoD (2,500 @ 100% DoD and 1C)
Capacity Retention >80%		
Operating Temperature	Charge 0° to 55°C Discharge -20° to 60°C	Charge 0° to 55°C Discharge -20° to 60°C
Operating Humidity (non condensing)	85%	85%
IP Rating	IP50	IP50
Battery Case Dimensions (mm)	570DD x 420W x 88H	570D X 420W X 88H
Battery Tray Dimensions (mm)	570D x 483W	570D X 483W
Tray Slide Range (mm)	590 to 880	590 to 880
Terminal Connection	Anderson quick release	Anderson quick release
Weight Module	35kg	35kg
Weight Tray	4.2kg	4.2kg
BMS Over Volt cut off	29.2V	58V
BMS Under Volt cut off	20V	40V
BMS Short Circuit cut off	200 ± 30A (20mS Trip)	200 ± 30A (20mS Trip)
BMS Over Temp cut off	65°C	65°C
Charge time approx.	3 hour at 40A	3 hour at 20A
Self Discharge	14% per annum	14% per annum
Circuit Breaker Compliance	2-pole 60A IEC 60947-2	2-pole 60A IEC 60947-2
Lithium Composition	Lithium Ferro Phosphate (LiFePO ₄ or LFP)	Lithium Ferro Phosphate (LiFePO ₄ or LFP)
Casing	Steel	Steel
Coating	Satin white industrial coating	Satin white industrial coating
Certifications	ROHS, C Tick, CE	ROHS, C Tick, CE

Operating Parameters for 10 Year Warranty

	10,000 Cycles	5,000 Cycles	2,500 Cycles
Equivalent to 80% Retained Capacity			
Discharge/Charge Rate	0.5 C	0.5 C	0.5 C
Depth of Discharge (DoD)	80%	90%	100%
Operating Temperature Range (°C)	0 to 27°	0 to 40°	0 to 40°

Programming Settings for Ancillary Equipment

Low Cut off Voltage	50.38V	49.73V	40.4V
Float Voltage	55.2V	55.2V	56.0V