

**LiFe Premium 2RU19**

Reliability that looks at home, offering you superior performance, for all your commercial, industrial, defence, humanitarian, automotive and residential applications.

The self managed LFP battery with internal BMS offers you a safe lithium option for any solution that requires reliability, ease of use and a product that outperforms others.

With 24, 48, 120VDC models and being infinitely scalable, applications uses for the LiFe Series battery are endless.

Solar and storage, battery backup, energy shifting, peak lopping, UPS, telecommunications, AC coupling, DC coupling, off grid and on grid.

No application is too big or too small.

Built to the highest quality standards, incorporating components of exceptional reliability and durability, our Australian manufactured LiFe Series are engineered to outperform and outlast its competitors.

The impressive specifications and performance come with a 10 year warranty when installed and used as set out in our warranty document and manuals.



# SPECIFICATIONS

	LiFe2433P	LiFe4833P	LiFe12033P
Nominal DC Voltage	25.6V	51.2V	128.0V
Nominal Capacity	3.3kWhr (3.277) / 128Ah	3.3kWhr (3.277) / 64Ah	3.3kWh (3.277) / 25.6Ah
Continuous Discharge	0.5C (C2)	1C (C1)	1C (C1)
Continuous Discharge Current	63A	63A	25.6A
Continuous Charge	0.5C (C2) (Recommended)		
Continuous Charge Current	63A	32A	12.8A
Maximum Current	63A (Limited by circuit breaker)		25.6A
Charge/Discharge Cycles	2700@100% DoD / 5000@75% DoD / 10,000@50% DoD -25°C op. temp.		
Operating Temperature Range	Charge: 0° to 55°C / Discharge -20° to 60°C		
Operating Humidity (Non condensating)	85%		
Altitude	Below 2000m		
Battery Dimensions	635mm D x 434mm W x 88mm H		
Battery Mounting Options	Standard 19" Rack Mounting / Horizontal or Vertical		
Terminal Connections	Amphenol Surlok 100A Non Keyed		
Module Weight	41kg		
BMS Over-Volt cut off	29.2V	58.4V	146V
BMS Under-Volt cut off	20V	40V	100V
BMS Over-Temp cut off	65°C		
BMS Under-Temp Cut off (Discharge)	-20°C		
BMS Under-Temp cut off (Charge)	0°C		
BMS Fault Current	200A		
Circuit Breaker	2-Pole 63A 360VDC (K Curve)		2-Pole 32A 360VDC (K Curve)
Self Discharge	14% Per Annum		
Battery Fault Current (BMS plus Circuit breaker failure)	1400A	1000A	610A
Lithium Composition	Lithium Ferro Phosphate (LiFeP04 or LFP)		
IP Rating	IP40		
Round Trip Efficiency	>96%		
Expected Life @25°C	Greater than 10 years when used as per warranty terms		
Cooling	Natural convection		
Parallel Stacking	Infinitely stackable - Seek Manufacturers advice		
Serial Stacking	Not designed for serial connection		
Certifications	Pending IEC:62619:2017, UN38.3, EMC		
Shut Down SoC (Per Warranty)	20%	20%	20%
DC Volts Shut Down 0% Load	24.0V	48.0V	120.0V
DC Volts Shut Down 100% Load	23.0V	46.0V	115.0V
Recovery / Restart Voltage	26V	52V	130V
Continuous Charge Voltage (Per Warranty)	28.0V	56.0V	140.0V
Float Voltage	27.6V	55.2V	138.0V
Peukert Exponent	1.02		
100% recharge	7 to 14 days to keep External SoC counter accurate		
Continuous Discharge Current	63A	63A	25.6A
Continuous Charge Current	63A	32A	12.8A
Cable Size	Refer relevant manual or cable sizing standard		
Note	In our efforts towards constant product enhancement this specification is subject to change to at anytime without notice		

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