When it comes to energy storage the PowerPlus Energy ECO Series battery will power your world.

The Self Managed LFP battery with internal BMS offers you a safe lithium option for any solution that required reliability, ease of use and a product that outperforms others

Our ECO battery is infinitely scalable so no application is too big or too small.

Offering economy of scale whilst maintaining reliability and durability, allows you confidence that the ECO series will keep powering on.

The Impressive specifications and performance come with a 10 year Pro rata warranty when installed and used as set out in our warranty documents and manual.

So when our Premium Series is out of reach, turn with confidence to the PowerPlus Energy ECO Series.

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SPECIFICATIONS!

‼	ECO4840P !
Nominal DC Voltage!	51.2V!
Nominal Capacity!	4.0kWh (3.994) / 78Ah!
Continuous Discharge!	0.5C (C2)!
Continuous Discharge Current!	39A!
Continuous Charge!	0.5C (C2) (Recommended)!
Continuous Charge Current!	39A!
Maximum Current!	63A (Limited by circuit breaker)!
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 55°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!	58.4V!
BMS Under"Volt cut off!	40V!
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)!
Self Discharge!	14% Per Annum!
Battery Fault Current (BMS plus Circuit breaker failure)!	1000A!
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%!
DC Volts Shut Down 0% Load!	48.0V!
DC Volts Shut Down 100% Load!	46.0V!
Recovery / Restart Voltage!	52V!
Continuous Charge Voltage (Per Warranty)!	56.0V!
Float Voltage!	55.2V!
Peukert Exponent!	1.02!
100% recharge!	7 to 14 days to keep External SoC counter accurate!
Continuous Discharge Current!	39A!
Continuous Charge Current!	39A!
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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