



IP65 protection

51.2V 280Ah 14.34kWh

The ECO 15.0 Plus is a wall-mounted home battery with LiFePO₄ electrochemical technology. The actual voltage is 51.2v, which can be expanded by connecting in parallel, and the IP65 waterproof rating meets all installation environments, making it the best choice for home backup.



Modular and scalable



Maximum 16 in parallel



6000 Cycle Life @80% DOD



10-year warranty & technical support



30 days delivery period



For on-grid and off-grid



Approved to UL1973, UL9540A, etc.



Compatible with multiple inverters



Safe and reliable LiFePO₄

Technical Specification

51.2V 280Ah 14.34kWh Battery

Model		ECO 15.0 Plus
Battery Type		LiFePO4
Nominal Voltage (V)		51.2
Nominal Capacity (Wh)		14336
Usable Capacity (Wh)		12902
Cell & Method		16S1P
Dimension(mm)		L908*W470*H262
Weight(Kg)		125±3
Discharge Voltage(V)		43.2
Charge Voltage(V)		56.8
Charge	Rate. Current / Power	140A / 7.16kW
	Max. Current / Power	200A / 10.24kW
Discharge	Rate. Current / Power	140A / 7.16kW
	Max. Current / Power	200A / 10.24kW
Communication		RS232, RS485, CAN, WIFI(Optional), Bluetooth(Optional)
Depth Of Discharge(%)		80%
Expansion		Up to 16 units in parallel
Working Temperature	Charge	0~55°C
	Discharge	-20~55°C
Storage Temperature		0~35°C
Short Circuit Current/Duration Time		350A, Delay time 500µs
Cooling Type		Nature
Protection Level		IP65
Monthly Self-discharge		≤ 3%/month
Humidity		≤ 60% ROH
Altitude(m)		< 4000
Warranty		10 Years
Design Life		> 15 Years (25°C / 77°F)
Cycle Life		> 6000 cycles, 25°C
Certification & Safety Standard		UN38.3,UL1973, UL9540A



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