

RESIDENTIAL BATTERY

ECO 2.5 / ECO 5.2 / ECO 8.0

Low Voltage

UN38.3



Features

ECO 2.5

ECO 5.2

ECO 8.0



One-Touch Parallel
Scaling



Remote App Control
& Updates



Mainstream Inverter
Compatibility



Smart BMS & Precise
Detection and Protection



Auto Aerosol Fire Extinguishing
Ultimate Security, Strengthen Defenses



Scenarios



Houses



Off-grid Cabins



Small Stores



Small Offices



Small Farms

DATASHEET

Model	ECO 2.5	ECO 5.2	ECO 8.0
Performance			
Cell technology	LFP (LiFePO ₄)		
Battery usable energy [1]	2.56 kWh	5.24 kWh	8.03 kWh
Nominal capacity	100 Ah	205 Ah	314 Ah
Nominal voltage	25.6 V		
Operating voltage	22.4 ~ 28.08 V		
Max. charge and discharge current [2]	100 A	200 A	200 A
Recommended Depth of Discharge	90%		
Communication			
Display	SOC status indicator, LED indicator, LCD display		
Communication	CAN / RS485 / RS232 / Wi-Fi		
General Specification			
Dimension (W × D × H)	360 × 160 × 473 mm	410 × 245 × 538 mm	420 × 245 × 540 mm
	14.17 × 6.29 × 18.26 inch	16.14 × 9.65 × 21.18 inch	16.54 × 9.65 × 21.25 inch
Weight	25 kg (55.1 lb)	47 kg (103.6 lb)	70 kg (154.3 lb)
Installation	Floor stand or Wall mounted		
Operating temperature [3]	Charge: 0 to 50°C (32 to 122°F) Discharge: -15 to 50°C (5 to 122°F)		
Environmental humidity	≤ 95%RH (No condensation)		
Ingress protection rating	IP20		
Warranty Period [4]	5 years / 10 years (Optional)		
Scalability	Max. 15 batteries in parallel		
Application	ON Grid / ON Grid + Backup / OFF grid		
Compatible inverters	Refer to compatible inverter list (Compatible with major PCS brands)		
Standard Compliance			
Compliance	UN38.3 (More available upon request)		

[1] Test conditions: 100% depth of discharge (DOD), 0.2C rate charge & discharge at 25°C.

[2] There is 0.5C or 1C configurations optional in factory default.

[3] Charge / discharge derating occurs when the temperature is below 0°C or above 45°C.

[4] Please refer to the Warranty Letter for applicable conditions.

SYSTEM DIAGRAM

