

Datasheet – ESS Eco series



Model	Eco 5kWh	Eco 16kWh
Battery configuration	1P16S	1P16S
Nominal Voltage	51.2V	51.2V
Operating voltage range	43.2V ~ 58.4V	43.2V ~ 58.4V
Nominal Capacity (Ah)	100Ah	314Ah
Nominal Capacity (kWh)	5.12 kWh	16.0768 kWh
Charge / Discharge Current	100A / 100A @ 25±2°C	157A / 157A @ 25±2°C
Working Temperature	0 ~ 40°C (Charge) -20 ~ 40°C (Discharge)	0 ~ 40°C (Charge) -20 ~ 40°C (Discharge)
Storage Temperature – Humidity	-10°C ~ 35°C (≤1 month) 25±2°C (≤3 months) 65% ±20% RH	-10°C ~ 35°C (≤1 month) 25±2°C (≤3 months) 65% ±20% RH
Dimensions (W×D×H mm)	430mm (W) x 160mm (H) x 600mm (L)	(750) × (440) × (251) mm
Weight	50 kg ±3 kg	119.5 kg ±3 kg
Cycle Life (@25°C)	6000 cycles, 50A charge/discharge current, 80% SoH	6000 cycles, 157A charge/discharge current, 80% SoH
IP Rating	IP20	IP20
Communication Port	CAN & RS485	CAN & RS485
Extra's	Touchscreen	Touchscreen, Aerosol fire extinguisher
Certifications	IEC 61000 IEC 62619 IEC 63000 UN38.3 CE	IEC 61000 IEC 62619 IEC 63000 UN38.3 CE

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