

# Datasheet – ESS Pro series



Model	Pro 10kWh	Pro 16kWh	Pro 32kWh
Battery configuration	2P16S	1P16S	2P16S
Nominal Voltage	51.2V	51.2V	51.2V
Operating voltage range	43.2V ~ 58.4V	43.2V ~ 58.4V	43.2V ~ 58.4V
Nominal Capacity	200Ah	314Ah	628Ah
Nominal Capacity	10.24 kWh	16.0768 kWh	32.15 kWh
Charge / Discharge Current	100A / 100A @ 25±2°C	157A / 157A @ 25±2°C	300A @ 25±2°C
Working Temperature	0 ~ 40°C (Charge) -20 ~ 40°C (Discharge)	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	-10°C ~ 35°C (≤1 month) 25±2°C (≤3 months) 65% ±20% RH
Dimensions (W×D×H mm)	542 x 160.5 x 832 mm	898.5 × 415 × 260 mm	538 × 416 × 818 mm
Weight	98 kg ±3 kg	119.5 kg ±3 kg	230 kg ±3 kg
Cycle Life (@25°C)	6000 cycles, 50A charge/discharge current, 80% DOD	8000 cycles, 157A charge/discharge current, 70% DOD	8000 cycles, 157A charge/discharge current, 70% DOD
IP Rating	IP65	IP20	IP20
Communication Port	CAN & RS485	CAN & RS485	CAN & RS485
Extra's	Aerosol fire extinguisher Heating System Touchscreen	Aerosol fire extinguisher Heating System Touchscreen	Aerosol fire extinguisher Heating System Touchscreen
Certifications	IEC61000 IEC62619 UN38.3	IEC61000 IEC62619 UN38.3	IEC61000 IEC62619 UN38.3

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