

# Datasheet – ESS Pro series



Model	Pro 10kWh	Pro 16kWh	Pro 32kWh
<b>Battery configuration</b>	2P16S	1P16S	2P16S
<b>Nominal Voltage</b>	51.2V	51.2V	51.2V
<b>Operating voltage range</b>	43.2V ~ 58.4V	43.2V ~ 58.4V	43.2V ~ 58.4V
<b>Nominal Capacity</b>	200Ah	314Ah	628Ah
<b>Nominal Capacity</b>	10.24 kWh	16.0768 kWh	32.15 kWh
<b>Charge / Discharge Current</b>	100A / 100A @ 25±2°C	157A / 157A @ 25±2°C	300A @ 25±2°C
<b>Working Temperature</b>	0 ~ 40°C (Charge) -20 ~ 40°C (Discharge)	0 ~ 40°C (Charge) -20 ~ 40°C (Discharge)	0 ~ 40°C (Charge) -20 ~ 40°C (Discharge)
<b>Storage Temperature – Humidity</b>	-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
<b>Dimensions (W×D×H mm)</b>	542 x 160.5 x 832 mm	898.5 × 415 × 260 mm	538 × 416 × 818 mm
<b>Weight</b>	98 kg ±3 kg	119.5 kg ±3 kg	230 kg ±3 kg
<b>Cycle Life (@25°C)</b>	6000 cycles, 50A charge/discharge current, 80% SoH	8000 cycles, 157A charge/discharge current, 70% SoH	8000 cycles, 157A charge/discharge current, 70% SoH
<b>IP Rating</b>	IP65	IP20	IP20
<b>Communication Port</b>	CAN & RS485	CAN & RS485	CAN & RS485
<b>Extra's</b>	Aerosol fire extinguisher Heating System Touchscreen	Aerosol fire extinguisher Heating System Touchscreen	Aerosol fire extinguisher Heating System Touchscreen
<b>Certifications</b>	IEC 61000 IEC 62619 IEC 63000 UN38.3 CE	IEC 61000 IEC 62619 IEC 63000 UN38.3 CE	IEC 61000 IEC 62619 IEC 63000 UN38.3 CE

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