

## ALL IN ONE Energy storage system

Parameter		CEB75-50 Robust	CEB-150-100 Robust
<b>PV Parameters</b>	PV Rated Voltage	AC 400V / 380V	
	PV Rated Frequency	50 / 60Hz	
	Rated PV Input Power	50 kW	100 kW
	Max. PV Output Power	55 kW	110 kW
	PV Access Method	AC Coupling	
<b>Diesel Generator</b>	Rated Voltage	AC400V / 380V	
	Rated Current	50 / 60Hz	
<b>Wall-Mount EV Charger Parameters (Optional)</b>	Charging Power	30 kW	
	Charging Current	100A	
	Charging Interface	CCS2 / CCS1 / CHAdeMO / GB/T (selectable)	
<b>AC Parameters (On-Grid)</b>	Rated Output Power (Grid-Tied)	50 kW	100 kW
	Max. Output Power (Grid-Tied)	55 kW	110 kW
	Rated Grid Voltage	AC 400V/380V	
	Rated Output Voltage	3W+N+PE	
	Grid Voltage Range	-15% ~ +10%	
	Rated Grid Frequency	50 / 60 Hz	
	Frequency Tolerance	±2 Hz	
	Output Current THD	≤3% (at rated power)	
	Power Factor Range	-0.9 ~ +0.9	

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Parameter		CEB75-50 Robust	CEB-150-100 Robust
<b>AC Parameters (Off-Grid)</b>	Rated Output Power	50 kW	100 kW
	Max. Output Power	55 kW	110 kW
	Rated Output Voltage	3W+N+PE, AC400V/380V	
	Output Voltage Accuracy	3% (linear load)	
	Overload Capability	110%: 10 min / 120%: 1 min	
<b>Battery Parameters</b>	Battery Type	LFP	
	Single Battery Module Capacity	5.12 kWh	
	Battery Module Quantity	15	30
	Battery System Energy	76.8 kWh	153.6 kWh
	Cycle Life	≥4000 cycles (@25°C, 0.5C, 100%DOD, 80%EOL)	
	Max. Efficiency	93% (0.5P)	
<b>Environmental</b>	Operating Temperature	-20°C to 55°C (PCS derating >45°C) Battery: Charge 0-50°C / Discharge -10-55°C	
	Relative Humidity	0-95%, non-condensing	
	Max. Operating Altitude	≤4000 m (derating above 2000 m)	
	Noise Level	<75 dB	
<b>Others</b>	Communication Interface	LAN, RS485	
	Isolation	Built-in Transformer	
	Protection Rating	IP54 (Outdoor)	
	Cooling Method	Electrical Cabinet: Intelligent Air Cooling Battery: Air Conditioning (AC)	
	Display	Touchscreen	
	Dimensions (W*D*H)	1750*1789*1840mm	1750*2550*1840mm
	Weight	2100 kg	3200 kg