

## ALL IN ONE Energy storage system

Model		CEB-40-25	CEB-75-50	CEB-150-100	CEB-225-150	CEB-300-200
<b>PV Parameter</b>	MPPT Voltage Range (V)	DC180~DC1000V	DC200V~DC700V			
	MPPT Full-rate Voltage range (V)	DC360~DC850V	DC370V~DC700V			
	No. of MPPT paths	1	0~2 (Optional)			
	Max. current per channel (A)	18A	135A			
<b>AC Parameter (Grid)</b>	Rated Output Power (KW)	25	50	100	150	200
	Max. Output Power (KW)	27.5	55	110	165	220
	Rate Grid Voltage (KW)	AC 380/400				
	Connection Method	3W+N+PE				
	Grid Voltage Range	-15%~+10%				
	Rated Grid Frequency (Hz)	50/60				
	Grid Frequency Range (Hz)	±2				
	Output Current Harmonic	≤3% (Rated Power)				
<b>AC Parameter (No Grid)</b>	Rated Output Power (KW)	25	50	100	150	200
	Max. Output Power (KW)	27.5	55	110	165	220
	Rated Output Voltage (V)	3W+N+PE, 380/400				
	Output Voltage Harmonic	3% (Linear Full)				
	Rated Frequency (Hz)	50/60				
Overload Capability	≤105% (105,110):	Long-time Running ≥10min	105%: 105%-120%: 120%:	Long-time Running 10min Stop Running		
<b>Battery Parameter</b>	Cell Type	LFP				
	Single cell module capacity (KWh)	5.12				
	No. of Battery Modules	8	15	30	45	60
	Battery System Capacity (KWh)	40.96	76.8	153.6	230.4	307.2
	Running time (h)	1.5				
	Battery Life	25° 0.5C/0.5C 100%DOD EOL80% 4000 Cycle				
	Max. Efficiency	95%				
<b>Protection</b>	DC (BAT) Switch	Yes				
	PV Switch	Yes				
	AC Switch	Yes				
	DG Monitor	Yes				
	Grid Monitor	Yes				
	Insulation Monitor	Yes				
	Reverse DC Protection	Yes				
	Ground Fault Protection	Yes				
	Surge Protection	DC II / AC II				
<b>Basic Parameter</b>	Size (W*D*H) (mm)	1000*1069.2*1800	1682*1502*1700	1682*2264*1700	1682*3026*1700	1682*3788*1700
	Weight (kg)	976.5	1395	2470	3545	4620
	Isolation Method	Non-Isolation				
	IP Class	Outdoor IP54				
	Operation Temperature Range	-20~55°C (>45°C Derate)				
	Relative Humidity	0~95%RH, Non-Condensing				
	Temperature Control Method	PCS cabinet: smartair-cooled; Battery cabinet: air-conditioning				
	Max. working altitude (m)	4000 (>2000 Derate)				
	Display	Touchscreen				
	Communication Interface	LAN, RS485, CAN				
	Communication Protocol	Modbus-TCP, Modbus-RTU, CAN2.0B				
	Fulfilment	IEC62477, IEC61000, G99, VDE4115, EN50549-1, UN3480				