

RESIDENTIAL ENERGY STORAGE SYSTEM



Stackable Residential Energy Storage System



Model number	ZEN-5120L1	ZEN-5120L2	ZEN-5120L3	ZEN-5120L4	ZEN-5120L5	ZEN-5120L6
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Input (PV)

Max.Power(W)	3500+3500	4000+4000	4000+4000	5500+5500	5500+5500	5500+5500
Max.DC voltage(Vdc)				500		
MPPT voltage range (Vdc)	120-450	120-450	120-450	120-450	120-450	120-450
Max. input current(A)	16	16	16	22	22	22
MPPT tracker/strings				2		
Max efficiency				97.50%		
Europe efficiency				97%		

Output (AC)

Rated output power(w)	4000	5500	5500	10000	10000	10000
Max.output current(A)	19.1	26.4	26.4	43.5	43.5	43.5
Voltage range(Vac)				230		
Frequency(Hz)				50/60		
PF				0.8leading/0.8lagging		
Grid connction type				L+N+PE		

Battery

Battery type			LF			
Rated capacity(Kwh)	5.12	10.24	15.36	20.48	25.6	30.72
Rated voltage(VDC)				51.2		
Voltage range(VDC)				46.4-57.6		
Num.of battery modules	1	2	3	4	5	5
Max.continuous charge/discharge current(A)	85	115	115	215	215	215
DOD				90%		
Cycle				>6000 (@80%DOD,0.5C,@25°C, 70%SOC)		

Protection

Protection mechanism	High temperature, overcharge, over-discharge, low voltage, overcurrent, short circuit
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Communication

Communication interface	CAN/RS485, WiFi/4G/Bluetooth
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General data

Dimension W*D*H(mm)	610*338*400	610*522*400	610*706*400	610*890*400	610*1070*400	610*1258*400
Weight(Kg)	63	113	163	213	263	313
Product color				White, gray		
Charge temperature				0°C-55°C		
Discharge temperature				-20°C-55°C		
Short-term storage temperature				-20°C-55°C (<3Month, 20-60%SOC)		
Longterm storage temperature				-10 --+40°C (<6Month, 30-60% SOC)		
Altitude				4000m(>2,000 Derating)		
Protection class				IP20 (Indoor) or IP55 (Indoor/outdoor)		
Humidity				5%-90%		
Cooling				Natural		
Installation				Floor installation		
Noise emission				<30dB		
Certification				IEC62619, UN38.3, EN61000, ROHS		