



## Stackable High-Voltage Residential Energy Storage System

Model number	ZEN-5120H3	ZEN-5120H6
<b>Input(PV)</b>		
Max.Power(W)	7,500+7,500	7,500+7,500
Max.DC voltage(Vdc)		1000
MPPT voltage range (Vdc)		180-850
Max. input current(A)		13
MPPT tracker/strings		2
Max efficiency		97.5%
Europe efficiency		97%
<b>Output(AC)</b>		
Rated output power(w)		10000
Max.output current(A)		15.9
Voltage range(Vac)		400/ (360~440)
Frequency(Hz)		50/60
PF		0.8leading/0.8lagging
Grid connenction type		3W+N+PE
<b>Battery</b>		
Battery type		LFP
Rated capacity(Kwh)	15.36	30.72
Rated voltage(VDC)	153.6	153.6
Voltage range(VDC)	139.2~172.8	92.8~115.2
Num.of battery modules	2	4
Max.continuous charge/discharge current(A)	71	71
DOD		90%
Cycle		>6000 (@80%DOD,0.5C,@25°C, 70%SOC)
<b>Protection</b>		
Protection mechanism	High temperature、overcharge、over-discharge、low voltage、overcurrent、short circuit	
<b>Communication</b>		
Communication interface	CAN/RS485, WiFi/4G/Bluetooth	
<b>General data</b>		
Dimension W*D*H(mm)	650*215*1100	(650*215*1100) *2
Weight(Kg)	170±2kg	340±2kg
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	IEC62477、IEC62619、UN38.3、EN61000、ROSH	