



Rack Type High Voltage Lithium Battery System

Model number	ZEN-5120H6	ZEN-5120H7	ZEN-5120H8	ZEN-5120H9	ZEN-5120H10	ZEN-5120H11	ZEN-5120H12
System capacity(KWh)	30.72	35.84	40.96	51.2	56.2	56.32	61.44
System usable capacity(KWh)	27.65	32.26	36.86	41.47	46.08	55.3	55.3
Number of batteries	6	7	8	9	10	11	12
System rated voltage(Vdc)	307.2	358.4	409.6	460.8	512	563.2	614.4
System voltage range(Vdc)	273.6	319.2	364.8	410.4	456	501.6	547.2
Charge/discharge current(A)	345.6	403.2	460.8	518.4	576	633.6	691.2
Max. continuous charge/discharge current (A)	273.6-345.6	319.2-403.2	364.8-460.8	410.4-518.4	456~576	501.6~633.6	547.2~691.2
Charge operating temperature	0-55°C						
Discharge operating temperature	-20-55°C						
Short term storage temperature	-20°C-50°C (<3个月, 20-60%SOC)						
Longterm storage temperature	-10~+40°C (<6个月, 40-70% SOC)						
Relative humidity	0~90%, Non-condensation						
Ingress class	IP20						
Communication	CAN/RS485						
Weight	237	269	301	333	365	397	429
Dimension(W*H*D,mm)	560*972*600	560*1135*600	560*1297*600	560*1460*600	560*1622*600	560*1784*600	560*1946*600
Certification	IEC/EN62109-1/-2, IEC/EN62477-1						
Transport standard	UN38.3						

Battery module data

Battery capacity(KWh)	5.12
Battery voltage(Vdc)	51.2
Weight(Kg)	42
Dimension(W*H*D,mm)	482*133*561

HV control box data

Rated voltage(Vdc)	1000
Rated current(A)	100
Weight(kg)	15
Dimension(W*H*D,mm)	482*133*561

Rack Type Lithium Battery System

Model number	ZEN-5120L
System capacity(KWh)	5.12
System usable capacity(KWh)	4.61
Number of batteries	3
System rated voltage(Vdc)	51.2
System voltage range(Vdc)	46.4-57.6
Max. continuous charge/discharge current(A)	60
Charge operating temperature	0-55°C
Discharge operating temperature	-20-55°C
Short term storage temperature	-20°C-55°C (<3Month, 20-60%SOC)
Longterm storage temperature	-10~+40°C (<6Month, 40-70% SOC)
Relative humidity	0~90%, Non-condensation
Cooling	Natural
Ingress class	IP20
Communication	CAN/RS485
Weight	47
Dimension (W*H*D,mm)	482*133*561
Certification	CE/IEC62619
Transport standard	UN38.3

