

INDUSTRIAL AND COMMERCIAL ENERGY STORAGE CABINET

S1



Super
Flexible



High
Efficiency



Extreme
Safety



Intelligence
Operations and
Maintenance



BASIC PARAMETERS

INDUSTRIAL AND COMMERCIAL
ENERGY STORAGE CABINET

Product Model	S1
Battery Data	
Battery Technology	LFP
Nominal Capacity (kWh)	200 kWh
DC Voltage Range(V)	640~ 817.6 V
Charging/Discharging Rate	0.5p
Battery Life Cycle	≥6000 time @25°C±2°C 90%DOD 0.5p charge/discharge
PCS Data	
Operating Voltage Range(V)	615~950 (3W+PE) /640~950 (3W+N+PE)
Max DC Current(A)	170A
Rated AC Power(kW)	100 kW
Max AC Power(kW)	110 kW
Max AC Current(A)	167 A
Rated AC Line Voltage(V)	400 V (-10%~+15%)
Rated AC Line Frequency (Hz)	50 /60Hz
Grid Connection Data (On Grid)	
AC Output Power(kVA)	100kVA
Max. AC Output Power(kVA)	110kVA
Nominal AC Voltage(V)	230/400 (-10%~+15%) V
Nominal Grid Frequency / Grid Frequency Range(Hz)	50/60 (-2.5~2.5) Hz
Max. AC Output Current(A)	167A
THDi	<3% (At nominal power)
Rated Power Factor	> 0.99
Adjustable Power Factor	1 leading - 1 lagging
AC Output Topology	3W+PE/3W+N+PE
Grid Connection Data (off Grid)	
Overload Capability	110% Permanently(≤ 40 °C)
AC Output Power (kVA)	100kVA
Max. AC Output Power (kVA)	110kVA
Nominal AC Voltage (V)	230/400V
AC Voltage THD	< 3 % (linear load)
Nominal Grid Frequency / Grid Frequency Range(Hz)	50/60Hz
Max. AC Output Current (A)	167A
AC Output Topology	3W+N+PE
General Data	
Maximum System Efficiency	92%
Dimensions (W*D*H) (mm)	1150x1280x2400 (mm)
Weight (kg)	≤2100 kg
Lightning Protection	Type II
Transfer Between on/off Grid	Manual(Default) / Automatic(Optional)
Protection	IP55
Operating Temperature Range(°C)	-30 to 50°C (> 45°C derating)
Relative Operating Humidity	0 ~ 95 % (non-condensing)
Operating Altitude(m)	4000m (> 2000m derating)
Cooling Method	Intelligent air cooling
Fire Protection	Active forewarning, Aerosol
Communication Interfaces	RS485, Ethernet, CAN
Communication Protocols	Modbus RTU, Modbus TCP
Certification	CE, IEC 61000, IEC62619
Warranty	
Warranty	10 years