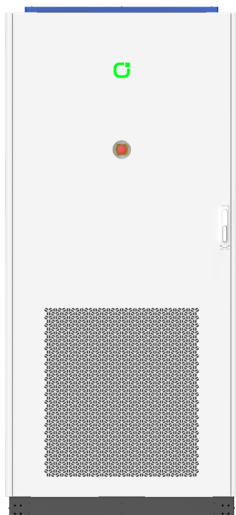


Energy Storage Cabinet

PowerMagic Mini



Product Advantages

- 3P4W PCS inside, transformer-free deployment for off-grid scenario
- 1P-rate solution, lower cost
- Refrigerant direct cooling, high efficiency and easy maintenance
- 3 level fire suppression & 2 level anti-explosion design
- Noise level less than 60 dB(A), environment friendly
- Higher PCS efficiency and intelligent standby power-consumption strategy, higher RTE



Model		ESS-098KDF-SA1
DC Side		
Battery Type	LFP / 120Ah	
Rated Energy	98.3kWh	
P-Rate	1P	
Nominal Voltage	819.2V	
Operating Voltage Range	691.2 ~ 908.8V	
Cooling & Heating Type	Refrigerant Direct Cooling & Heat Pump (PTC optional)	
AC Side		
Rated AC Voltage	380 / 400V 3P-N-PE	
Rated AC Power	98 kW	
Rated Grid Frequency	50Hz / 60Hz	
Power Factor	-1~1	
Unbalanced Load	0~100%	
THD	< 3%	
Peak Efficiency	98.8%	
Overvoltage Protection	DC Type II / AC Type II	
System Parameters		
Operating Ambient Temperature	-30°C~55°C (1P-Derating Above 45°C, 0.5P-Not Derating)	
Storage Ambient Temperature	-30°C ~ 60°C	
Operating Relative Humidity	0~100% (No Condensation)	
Operating Altitude	≤ 4000 m	
Ingress Protection Rating	IP55	
Anti-Corrosion	C3-M (C5-M Optional)	
Sensor & Detector	Smoke, Temperature, CO	
Fire Suppression	Cell& Pack level: Refrigerant BATTERY & PCS Room Level: Perfluorohexanone(Optional) Cabinet Level: Water	
Anti-explosion Design	Directional Smoke Extraction Explosion Vent	
Installation	Ground Mounting	
Communication Interface	Ethernet, Dry Connect	
Dimension (W*D*H)	1000mm*1350mm*2200mm	
Weight	< 1800kg	
Noise	≤ 60dB(A)	
Standard	IEC62619, IEC63056, IEC62477-1, IEC/EN 61000-6-2/4, UN38.3, UN3480, EU 2023/1542	

* All specifications are subject to change without notice.