

MS-G230



Micro Grid System

MS-G230 (100KW/230KWh)

◆ Multi fusion

EMS converter and BMS inside, power supply redundancy design, support black start function

◆ Intelligent temperature control

Rated power operation, the maximum temperature of the battery is less than 38°C

◆ Scalable

Support the expansion of MPPT module, charging module, and diesel generator connection



◆ Reliable

Intelligent BMS provides complete protection, proactive balancing solutions, effectively extending the cycling life of battery

◆ Safer

Lithium Iron Phosphate (LFP) Battery, system adopt an aerosol fire extinguishing solution

Model		MS-G230
System Specification		
Nominal Output Power (KW)		100
AC Output Frequency and Voltage		50/60Hz; 380/400Vac
Grid Type		3L/N/PE
Energy (kWh)		230
Dimension (W x D x H,mm)		1700x1000x2500
Weight Appr. (kg)		2.8T
Battery Operating Voltage (V)		DC:600~935(grid on)/DC:700 ~ 935(grid off)
Max. RTE		88%
System Communication		ETH/4G
System Operating temperature range(°C)		-30~45
Max. working altitude(m)		3000
IP Rating of Enclosure		IP55
Anti-corrosion grade		C5
System Certification		UN38.3, IEC62619,IEC61000, IEC62477
Installation Style		Floor-Mounted
Warranty		10 years
Converter Specification		
AC Output Rated Current (A)		152
MAX. AC Output Current (A)		167
MAX.number of parallel		12 PCS
Peak Power (off grid)		1.1 time of rated power
Power Factor		-1~1
THD		<3%
DC injection current		<0.5In
Display		LCD
Operating Temperature Range (°C)		-25~65(>45°C derating)
Relative Humidity		15% ~ 85% (No Condensing)
Dimension (W x D x H,mm)		506x772x310
Communication		CAN,RS485, ETH
Overvoltage protection		DC Type II / AC Type II
Protection level		Class 1
Safety EMC / Standard		IEC/EN 62109-1,IEC/EN 62109-2, IEC/EN 61000-6-1, IEC/EN 61000-6-2,IEC/EN 61000-6-3,IEC/EN 61000-6-4
Grid Regulation		IEC62477,VDE4105,CEI 0-21,G98,G99,
Max. Efficiency		97.6%
Battery Specification		
Battery Chemistry		LiFePO4
Battery Module Nominal Voltage (V)		51.2
Battery Module Energy (kWh)		14.3
Communication		CAN
Battery Module Dimension(W*D*H mm)		526x784.5x230
Battery Module Weight (kg)		100
Operating Temperature Range		Charge: 0~55°C / Discharge: -20°C~55°C
Cycle Life		≥6000(@25°C±2°C,0.5C/0.5C,70%EOL)
Battery Module Certification		IEC61000,IEC60730, IEC62619, IEC62477, UN38.3