



Features

- Split phase output;
- Toroidal low-loss transformer, high inverter efficiency, pure sine wave output;
- Intelligent LCD integrated display;
- New appearance design, built-in photovoltaic MPPT controller;
- Mains charging current is adjustable, allowing users to configure battery capacity more flexibly;
- Three working modes can be set (mains priority, inverter priority, energy-saving mode);
- The startup peak power is more than 3 times, with fully automatic and complete protection functions;
- Added fault code query function to facilitate users to monitor operating status in real time;
- Supports diesel (gasoline) generators and can be used in harsh power environments;
- Suitable for both industrial and civil use, wall-mounted design, easy to install.

Application



Household



Industrial and commercial energy storage



Agricultural Irrigation



Forest Fire Monitoring



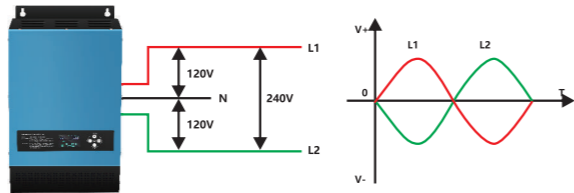
Telecom station



Farm use



SUITABLE FOR DUAL VOLTAGE AREAS



Technical Parameters

Model :	10212
Power	
Rated Power	1000W
Start Motor	1HP
Battery Voltage	12VDC
Max AC charging current	0~30A (Depending on model)
Installation Method	Wall-Mounted
AC Input	
DC Input Voltage Range	10.5-15VDC (Single battery voltage)
AC Input Voltage	220VAC/240AC(L1-L2)
AC Input Voltage Range	170VAC~275VAC(220VAC) / 190VAC~295VAC(240VAC)
AC Input Frequency Range	45Hz~55Hz(50Hz) / 55Hz~65Hz(60Hz)
AC charging method	Three-stage (constant current, constant voltage, floating charge)
AC Output	
Efficiency(Battery Mode)	≥85%
Output Voltage(Battery Mode)	L1-N/L2-N: 110VAC or 120VAC ; L1-L2: 220VAC or 240AC
Output Frequency(Battery Mode)	50/60Hz±1%
Output Wave(Battery Mode)	Pure Sine Wave
Efficiency(AC Mode)	≥99%
Output Voltage(AC Mode)	L1-N/L2-N: 110VAC or 120VAC ; L1-L2: 220VAC or 240AC
Output Frequency(AC Mode)	Follow input
Output waveform distortion (Battery Mode)	≤3% (Linear load)
No load loss(Battery Mode)	≤0.8% rated power
No load loss(AC Mode)	≤2% rated power(charger does not work in AC mode)
No load loss(Energy saving Mode)	≤10W
Battery	
VRLA Battery	Charge Voltage : 14.2V; Float Voltage:13.8V(Single battery voltage)
Customize battery	Charging and discharging parameters of different types of batteries can be customized according to user requirements (charging and discharging parameters of different types of batteries can be set through the operation panel)
Built-in MPPT Solar Charge Controller (optional)	
Charging Mode	MPPT
Charging current	12V:40A
PV Input Voltage Range	15V-120V(12V System)
Max PV Input Voltage(Voc) (At the lowest temperature)	150V
PV Array Maximum Power	12V System: 560W(40A)
Standby loss	≤3W
Maximum conversion efficiency	>95%
Other	
Protection	Battery undervoltage protection/Battery overvoltage protection/Overload power protection/Inverter output short circuit protection/Temperature protection
Working Mode	Battery First/AC First/Saving Energy Mode (can be set)
Transfer Time	≤4ms
Display	LCD
Thermal method	Cooling fan in intelligent control
Communication	RS485/APP(WIFI monitoring or GPRS monitoring)
Operating temperature	-10℃~40℃
Storage temperature	-15℃~60℃
Noise	≤55dB
Elevation	2000m(More than derating)
Humidity	0%~95% ,No condensation
Dimensions and Weight	
Product Size(L*W*Hmm)	500*300*140
Packing Size(L*W*Hmm)	570*385*210
N.W.(kg)	12
G.W.(kg)(Carton Packing)	13.5

Note: 1. Specifications are subject to change without prior notice; 2. Special voltage and power requirements can be customized according to the actual situation of users.