

EA900 G3A

1 kVA DC12V
PF0.8



Features

- High frequency on-line double conversion technology
- DSP(Digital signal processing) control technology
- Active power factor correction(APFC), input power factor up to 0.99
- Output power factor 0.8
- Wide input voltage range(110V~300Vac) and frequency range(40~70Hz)
- Auto sensing frequency
- 50/60Hz frequency conversion
- Cold start
- Rear ventilation design and variable speed fan
- Effective software and hardware protection
- Quick and stable charging, 90% capacity restored in 3h(standard model UPS)
- Linear derating in low voltage input reducing battery discharging times
- Settable delayed start when power is restored
- Advanced battery management(ABM)
- Multiple functions settable via LCD: output voltage, EOD, auto-start, bypass mode
- Multi-platform communications: RS232(standard), USB/RS485/SNMP/dry contacts(optional)

Available Options

- Optional USB, RS485 card, AS400 dry contacts, SNMP card, SMS alarms, EPO function

Specifications

MODEL		1kVA
Rated capacity		1 kVA/800W
INPUT		
Rated input voltage		208Vac/220Vac/230Vac/240Vac
Rated input frequency		50Hz/60Hz(auto-sense)
Input voltage range		110~176Vac(power derating linearly between 50% and 100% load); 176~300Vac(no derating)
Input frequency range		40~70Hz
PFC		≥0.98
Bypass voltage range		-25%~+15%(settable)
OUTPUT		
Output voltage		208Vac/220Vac/230Vac/240Vac(settable)
Voltage accuracy		±1%
Output PF		0.8
Inverter overload capability		105%~125% load: transfer to bypass in 1min; 125%~150% load: transfer to bypass in 30s; >150% load: transfer to bypass in 300ms
From mains mode to BAT mode		0ms(transfer time)
From mains mode to bypass		4ms(typical)
Output frequency	Line mode	Same as input frequency
	BAT mode	(50/60±0.1)Hz
Total voltage harmonic distortion		≤ 2%(linear load); ≤6%(non-linear load)
BATTERIES		
Battery type		Sealed lead acid maintenance free battery
DC voltage		12V
Charger output voltage		13.55 ±0.2
Charging current(Max.)		Long time model: 10A
SYSTEM CONTROL AND COMMUNICATIONS		
Protections		Over-temp protection; Fan testing protection; Overload protection; Output short circuit protection; Battery discharge protection
Communication port		RS232; Options: USB, SNMP card, dry contacts
Display		LCD
ENVIRONMENTAL		
Operating humidity		0~95%RH @ 0~40°C(non-condensing)
Storage temperature		-25°C~55°C(exclude batteries)
Operating altitude		≤1000m, above 1000m, derate 1% for each rising 100m
Protection class		IP20
Noise level		≤50dB(at 1m)
OTHERS		
Dimensions(W×D×H)(mm)		144×311×216(H) 440×316×88(HRT)