

EA900 G4A

6 kVA ~ 10 kVA
PF 1.0

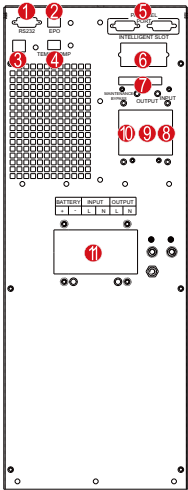


Features

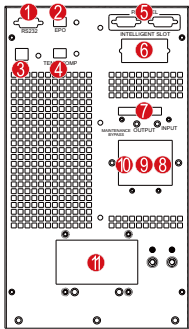
- Advanced dual-core DSP control technology and 3-level technology
- Active Power Factor Correction Technology, input power factor up to 0.99
- System efficiency improved to 95%, energy saving rate is doubled
- Output power factor 1.0
- Working efficiency up to 98% in ECO mode
- Fan speed varies intelligently with load, reducing noise and extending its service life
- Standard 5A Charger, Optional 12A Charger(long time model)
- With ultra wide input voltage range(80~288Vac) and frequency range(40~70Hz)
- 50 Hz/60Hz auto-sensing frequency
- 50 Hz/60Hz frequency conversion mode
- Flexible battery configuration(settable 10~22 pcs batteries)
- Linear derating in low voltage input reducing battery discharging time, extending the service life of battery
- Intelligent battery management, automatic equalized and float charging control, charger dormancy control, improving the reliability of charger and extending the battery life
- Powerful background software for parameters configuration and online upgrade
- Effective hardware and software protection, robust self-diagnosis function, abundant event log for future check
- Standard RS232, EPO, Smart card slot
- Optional SNMP card, Wi-Fi card, 4G card and SMS alarms, Dry contacts, Parallel kit, RS485

Rear Panel

1. RS232
2. EPO
3. USB (optional)
4. TEMP_COMP (optional)
5. Parallel port
6. Intelligent slot
7. Maintenance bypass micro-switch (optional with maintenance breaker)
8. Input breaker
9. Output breaker(optional)
10. Maintenance breaker(optional)
11. Terminal



6kVA(S)/10kVA(S)



6kVA(H)/10kVA(H)

Specifications

MODEL	EA906	EA9010
Capacity	6kVA/6kW	10kVA/10kW
INPUT		
Input wiring	Single-phase three-wire(1Φ+N+PE)	
Rated voltage	208/220/230/240Vac	
Voltage range	176~288Vac(full load); 90~176Vac(linear derating to 30%)	
Rated frequency	50/60Hz	
Frequency range	40~70Hz	
Power factor	≥0.99	
Bypass voltage range	-40%~+15%(settable)	
Input current THDi	≤5%	
OUTPUT		
Output wiring	Single-phase three-wire(1Φ+N+PE)	
Rated voltage	208(PF=0.9)/220/230/240Vac	
Voltage regulation	±1%	
Frequency	Synchronized with utility in mains mode; 50/60Hz±0.1% in battery mode	
Waveform	Sinusoidal	
Power factor	1	
Output voltage THDv	<1%(full linear load); <4%(full non-linear load according to IEC/EN62040-3)	
Crest factor	3:1	
Overload	105%~110% for 10min, 110%~125% for 1min, 126%~150% for 30s	
BATTERIES		
DC voltage	Default 192Vdc(120~264Vdc)	
Number of battery	Default 16pcs, settable 10~22pcs(10~15pcs linear derating to 50%)	
Inbuilt battery(standard model)	12V/7Ah×16	12V/9Ah×16
Charger power	Standard model: 1A(default), 1~5A settable; Long time model: 5A(default), 1~5A settable; 12A(optional)	
Charger voltage precision	1%	
Recharge time	Standard model: 90% capacity restored in 8 hours; Long time model: depend on the capacity of battery	
SYSTEM		
Efficiency	≥94% at 100% load, max. 95% at 60% load, ≥98% in ECO mode	
Transfer time	0ms	
Protections	Short-circuit, overload, overtemperature, battery low voltage, overvoltage, undervoltage and fan failure	
Max. number of parallel connections	4	
Communications	Standard: RS232, EPO, Smart card slot Optional: SNMP card, Wi-Fi card, 4G card and SMS alarms, dry contacts, parallel kit, RS485	
Display	LCD+LED	
OTHERS		
Operating temperature	0°C~40°C	
Storage temperature	-40°C~70°C(without battery)	
Relative humidity	0~95%(non-condensing)	
Altitude	<1000m, derating 1% per 100m from 1000~2000m	
IP rating	IP 20	
Noise level at 1m	<58dB	
Dimensions(W×D×H)(mm)	191×500×515(S), 191×440×350(H)	
Packaged dimensions (W×D×H)(mm)	310×654×600(S), 318×570×475(H)	
Net weight(kg)	49.5(S), 14.5(H)	58.5(S), 15.5(H)
Gross weight(kg)	58(S), 16(H)	67(S), 17(H)

- S means standard model; H means long time model.
- All specifications are subject to change without notice.