

# EA900 G4A

6 kVA ~ 20 kVA  
PF 1.0

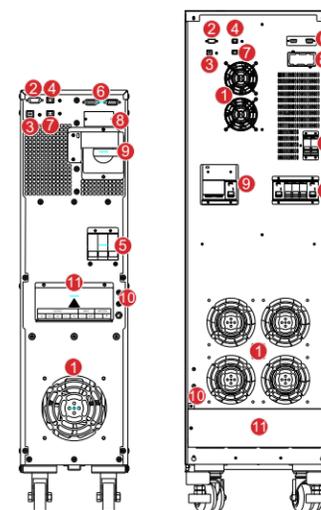


## Features

- High frequency and true double conversion
- DSP digital control technology
- Input power factor correction (PFC)
- Wide input voltage range
- Output power factor 1.0
- Cold start
- Auto sensing frequency
- ECO mode operation for energy saving
- Selectable output voltage via LCD
- 50Hz/60Hz frequency conversion mode available
- Built in output isolation transformer
- Selectable battery low voltage via LCD
- Power-on self test
- Advanced battery management (ABM)
- Short circuit and overload protection
- Automatic charging battery in OFF mode
- Fan speed auto control when loads varies
- Standard RS232 communication port and RJ45 protection
- Optional USB/SNMP communication port
- Optional emergency power off (EPO)
- Optional extension battery bank
- Optional manual bypass
- Optional N+X redundancy parallel

## Rear Panel

1. FAN
2. RS232
3. USB (optional)
4. EPO (optional)
5. Breaker
6. Parallel Card (optional)
7. Temperature Detection (optional)
8. Intelligent Slot or RS485 (optional)
9. Reserved (optional)
10. GND
11. Terminals and Cover



6KVA / 10KVA

20KVA

## Specifications

MODEL	EA906	EA9010	EA9020
Capacity	6kVA / 6kW	10kVA / 10kW	20kVA / 20kW
<b>INPUT</b>			
Rated voltage	208 / 220 / 230 / 240Vac		
Voltage range	90 ~ 176Vac (linear derating between 30% and 100% load); 176 ~ 288Vac (no derating)		
Frequency	50 / 60 Hz (auto-sensing)		
Power factor	≥ 0.99		
Bypass voltage range	- 40% ~ +15% (settable)		
<b>OUTPUT</b>			
Voltage	208 (PF=0.9) / 220 / 230 / 240Vac or 110 / 115 / 120Vac (two groups, their phase angles different by 180°)		
Voltage regulation	±5%		
Frequency	Synchronized to bypass in mains mode; 50 / 60 Hz ±0.1%Hz in battery mode		
Waveform	Sinusoidal		
Crest factor	3:1		
Harmonic distortion	≤ 3% (linear load); ≤ 6% (non-linear load)		
Transfer time	0 ms		
Overload capability	105% ~ 110% for 10 min, 110% ~ 125% for 1 min, 126% ~ 150% for 30 s		
<b>BATTERIES</b>			
DC voltage	192Vdc (192 ~ 240Vdc settable)		
Inbuilt battery of standard model	12V/7Ah×16	12V/9Ah×16	12V/9Ah×16 (two groups)
Charging current	1~5A settable		1A
Typical recharge time	90% capacity restored in 8 hours		
Efficiency	Max. 89.5% (max. 93% in ECO mode)		Max. 90% (max. 93% in ECO mode)
Communications	RS232 (standard), USB / RS485 / dry contacts / SNMP / battery temperature compensation (optional)		
<b>OTHERS</b>			
Humidity	0 ~ 95% (non-condensing)		
Noise level	≤60dB	≤60dB	
Dimensions (W×D×H)(mm)	191 × 520 × 515 (H) 191 × 605 × 740 (S)		350 × 745 × 1183
Packaged dimensions (W×D×H)(mm)	310 × 670 × 600 (H) 310 × 780 × 916 (S)		460 × 890 × 1366
Net/Gross weight (kg)	98 / 110	104 / 116	256 / 271