

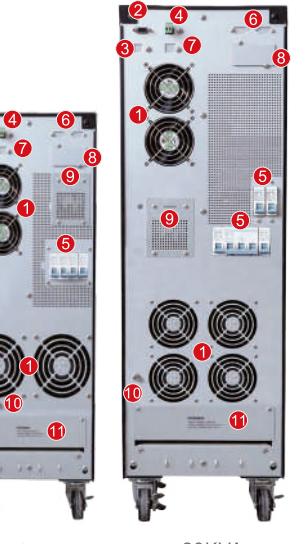
EA900 G4

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



Specifications

MODEL	EA906	EA9010	EA9020
Capacity	6 kVA / 6 kW	10 kVA / 10 kW	20 kVA / 20 kW
INPUT			
Rated voltage	208 / 220 / 230 / 240 Vac		
Voltage range	110 ~ 176 Vac (linear derating between 50% and 100% load); 176 ~ 288 Vac (no derating)		
Frequency	50 / 60 Hz (auto-sensing)		
Power factor	≥ 0.99		
Bypass voltage range	- 40% ~ +15% (settable)		
OUTPUT			
Voltage	208 (PF=0.9) / 220 / 230 / 240 Vac Or 110 / 115 / 120 Vac (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		
BATTERIES			
DC voltage	192 Vdc (192 ~ 240 Vdc settable)		
Inbuilt battery of standard model	12 V / 7 Ah × 16	12 V / 9 Ah × 16	12 V / 9 Ah × 16 (two groups)
Charging current	1 A		
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)		
OTHERS			
Humidity	0 ~ 95% (non-condensing)		
Noise level	≤ 55 dB	≤ 58 dB	
Dimensions (W × D × H) (mm)	262 × 712 × 732		350 × 745 × 1183
Packaged dimensions (W × D × H) (mm)	382 × 825 × 931		460 × 890 × 1366
Net / Gross weight (kg)	93.0 / 105.0	115.0 / 127.0	256.0 / 271.0

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