

True online UPS

EA900 G4

6KVA~ 10KVA



Features

- Advanced DSP (Digital signal processors) technology
- Variable speed fan
- Effective software and hardware protection function, robust self-diagnostic function, and abundant event log for check
- Advanced digital parallel technology
- Wide input voltage range, 50 / 60 Hz frequency auto sensing
- Linear derating in low voltage input reducing battery discharging times, extending the service life of battery
- Dual-input design, supporting independent bypass
- Output power factor improved from 0.9 to 1, load capacity increased by 13%
- Flexible battery configuration (settable 16 – 20 pcs batteries)
- Charging voltage and current configured by demands
- Ability to switch on the UPS with batteries
- Settable delayed start time when mains power is restored, reducing the impact on power grid or generator
- Two modes of frequency conversion: 50 Hz input / 60 Hz output or 60 Hz input / 50 Hz output

- LCD+LED display, multi-functional keys operation, friendly human-machine interface
- Powerful background software for parameters configuration
- Compact internal layout, miniaturized the complete unit for small footprint
- Advanced multi-platform communications: RS232, USB, RS485, SNMP and dry contacts communication interfaces
- Intelligent battery management, automatic floating / equalizing charge control, charger dormancy control, increasing battery life by 50%
- Active power factor correction (APFC), input power factor up to 0.99
- High efficiency 95% (up to 98% in ECO mode)
- Equipped with self-aging function

Available Options

- RS232 and smart card slot included
- Optional parallel function, battery temperature compensation, SNMP card, USB, RS485 card, dry contacts, EMD, and SMS alarms

Rear Panel

1. RS232
2. EPO
3. Parallel port (optional)
4. USB (optional)
5. Temperature detection (optional)
6. SNMP (optional)
7. Reserved: for manual bypass or battery breaker or output socket ect.
8. Fans
9. Bypass breaker
10. Input breaker
11. GND
12. Terminals and terminal cover



6/10 kVA (H)



6/10 kVA (S)



Specifications

MODEL	EA-906G4	EA-9010G4
Capacity	6KVA 5400W	10KVA 9000W
INPUT		
Input wiring	Single-phase three-wire (1 Φ + N + PE)	
Rated voltage	208 / 220 / 230 / 240 Vac	
Voltage range	110 ~ 176 Vac (linear derating between 50% and 100% load); 176 ~ 288 Vac (no derating)	
Rated frequency	50 / 60 Hz (auto-sensing)	
Frequency range	40 ~ 70 Hz	
Power factor	≥ 0.99	
Bypass voltage range	– 40% ~ +15% (settable)	
Total harmonic distortion (THDi)	≤ 5%	
OUTPUT		
Output wiring	Single-phase three-wire (1 Φ + N + PE)	
Rated voltage	208 (PF=0.9) / 220 / 230 / 240 Vac	
Voltage regulation	± 1%	
Frequency	Synchronized to bypass in mains mode; 50 / 60 Hz ± 0.1% Hz in battery mode	
Waveform	Sinusoidal	
Power factor	0.9	
Total harmonic distortion (THDv)	≤ 1% (linear load); ≤ 4% (non-linear load)	
Crest factor	3:1	
Overload capability	102% ~ 110% for 10 min, 110% ~ 125% for 1 min, 125% ~ 150% for 30 s	
BATTERIES		
DC voltage	192 Vdc (192 ~ 240 Vdc settable)	
Number of battery	16 pcs (16 ~ 20 settable)	
Inbuilt battery (standard model)	12 V / 7 Ah × 16	12 V / 9 Ah × 16
Charging current	Standard model: 1 A; Long time model: 5 A (default), 1 ~ 5 A settable; 12 A (optional)	
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	0 ms	
Protections	Short-circuit, overload, overtemperature, battery low voltage, overvoltage, undervoltage and fan failure	
Max. number of parallel connections	4	
Communications	RS232 (standard), USB / RS485 / dry contacts / SNMP / battery temperature compensation (optional)	
Display	LCD + LED	
OTHERS		
Operating temperature	0℃ ~ 40℃	
Storage temperature	–25℃ ~ 55℃ (without battery)	
Humidity	0 ~ 95% (non-condensing)	
Altitude	≤ 1000 m, derating 1% for each additional 100 m	
IP rating	IP 20	
Noise level at 1 m	≤ 55 dB	≤ 58 dB
Dimensions (W × D × H) (mm)	191 × 465 × 711 (S) , 191 × 465 × 350 (H)	191 × 495 × 711 (S), 191 × 495 × 350 (H)
Packaged dimensions (W × D × H) (mm)	310 × 654 × 941 (S), 318 × 595 × 475 (H)	310 × 685 × 941 (S), 318 × 617 × 475 (H)
Net weight (kg)	53 (S) , 14.5 (H)	62 (S) , 16.5 (H)
Gross weight (kg)	61 (S) , 16 (H)	70 (S) , 18 (H)

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