

# EA990 G5

10 kVA ~ 15 kVA (3:3)  
PF1.0



## Application

- IDC data exchange room
- ISP, computer room
- Bank/bond clearing center
- Industrial process control applications
- Precision instruments and equipment

## 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 94.5%, energy saving rate is doubled
- Output power factor 1.0
- Dual input design, supporting independent bypass
- Advanced digital and parallel technology, providing higher reliability than single system
- Wide input voltage range, 50 / 60 Hz auto-sensing frequency
- 50 Hz / 60 Hz auto-sensing frequency
- 50 Hz / 60 Hz frequency conversion mode
- Working efficiency up to 98% in ECO mode
- Fan speed varies intelligently with load, reducing noise and extending its service life
- Conformal coating technology to make UPS operate in harsh environment for a long time
- Digitally controlled charger (Max.10 A)
- Ability to switch on the UPS by battery in the absence of mains power (cold start)
- Zero switching time for UPS power supply mode when the mains power is unstable, ensuring the output is uninterrupted
- 5 inches LCD colorful touch screen, friendly human & machine interface
- Powerful background software for parameters configuration and online upgrade
- Advanced multi-platform communication for UPS monitoring: RS232, USB, RS485, dry contacts, SNMP card, Wi-Fi card and GPRS card
- Intelligent battery management, automatic equalized and float charging control, charger dormancy control, improving the reliability of charger and extending the battery life
- Effective hardware and software protection, robust self-diagnosis function, abundant event log for future check
- Standard RS232, USB, RS485, EPO, dry contacts, parallel port
- Optional SNMP card, Wi-Fi card, GPRS card and SMS alarms

## Specifications

MODEL	EA9910		EA9915	
Capacity	10 kVA / 10 kW		15 kVA / 15 kW	
INPUT				
Rated voltage	208/220Vac (L-L)			
Voltage range	166-261Vac (L-L), full load 125-166Vac (L-L), load decrease linearly according to the min phase voltage			
Rated frequency	50 / 60 Hz			
Frequency range	40Hz~70Hz			
Power factor	> 0.99			
Bypass voltage range	-20%~+15%			
Bypass frequency range	Selectable, ±1Hz, ±3Hz, ±5Hz			
Input current THDi	<3% (full linear load)			
Bypass overload	<125%: Long term operation; 125%~130%: 10min; 130%~150%: 1min; 150%~400%: 1s; >400%, less than 200ms			
OUTPUT				
Rated voltage	208/220Vac (L-L)			
Voltage regulation	±1% (full linear load)			
Frequency	Synchronized with utility in mains mode, 50/60 Hz ±0.1% in battery mode			
Waveform	Sinusoidal			
Power factor	1			
Crest factor	3:1			
Output voltage THDv	<1% (full linear load) <3% (full non-linear load according to IEC/EN62040-3)			
Overload	<110%, 60min; 110%~125%, 10min; 125%~150%, 1min; >150%, 200ms			
BATTERIES				
Long run model battery voltage	±120VDC			
Standard model inbuilt battery	(10+10) x 9AH		(10+10) x 7AH x 2 strings	
Charger power	10A max			
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	94.5% Max			
Transfer time	0 ms			
Max. number of parallel connections	4			
Protections	Short-circuit, overload, overtemperature, battery low voltage, overvoltage, undervoltage and fan failure			
Interface	Standard: RS232, RS485, USB, Battery cold start Option: Programmable dry contact, SNMP, Parallel kit			
Display	LED + 5 inch LCD touch screen			
OTHERS				
Operating temperature	0℃ ~ 40℃			
Storage temperature	-40℃ ~ 70℃			
Relative humidity	0 ~ 95% (Non-condensing)			
Altitude	<1000m, load derated 1% per 100m from 1000 ~ 2000m			
IP rating	IP 20			
Noise (1 meter)	60dB @ 100% load, 58dB @ 50% load			
Module dimension (W x D x H,mm)	250 x 720 x 560 (H) 250 x 800 x 700 (S)		250 x 720 x 560 (H) 250 x 800 x 700 (S)	
Packaged dimensions (W x D x H,mm)	350 x 800 x718 (H) 350 x 900 x 862 (S)		350 x 800 x718 (H) 350 x 900 x 862 (S)	
Net weight (kg)	32 (H) 95 (S)		34 (H) 131 (S)	
Gross weight (kg)	41 (H) 106 (S)		43 (H) 142 (S)	

- Notes:
- All specifications are subject to change without notice.
  - Custom-made specifications are acceptable.
  - S means standard model, H means long time model.