

# EA990 G5

10 kVA ~ 30 kVA  
(3:3)  
PF 1.0  
(Built-in isolated transformer)



## Application

- IDC data exchange room
- ISP, Computer Room
- Bank/Bond Clearing Center
- Industrial Process Control Applications
- Precision instruments and equipment

## Features

- High frequency on-line double conversion technology
- Advanced dual-core DSP control technology and 3-level technology
- Active power factor correction (APFC), input power factor up to 0.99
- System efficiency improved to 92%, 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 / 60 Hz frequency conversion mode
- Working efficiency up to 95% 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
- Linear derating in low voltage input, reducing battery discharging times, 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
- 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	EA9920	EA9930
Capacity	10 kVA / 10 kW	15 kVA / 15 kW	20 kVA / 20 kW	30 kVA / 30 kW
<b>INPUT</b>				
Rated voltage	380 / 400 / 415 Vac (L-L)			
Voltage range	304~478Vac (L-L), full load 228V~304Vac (L-L), load decrease linearly according to the min phase voltage			
Rated frequency	50 / 60 Hz (auto-sensing)			
Frequency range	40 ~ 70 Hz			
Power factor	> 0.99			
Bypass voltage range	Selectable, default -20%~+15% Up limited: +10%, +15%, +20%, +25%; Down limited: -10%, -15%, -20%, -30%, -40%			
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			
<b>OUTPUT</b>				
Rated voltage	380 / 400 / 415 Vac (L-L)			
Voltage regulation	±3% (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), <5% (full non-linear load according to IEC / EN62040-3)			
Overload	<110%, 60min; 110% ~ 125%, 10min; 125% ~ 150%, 1min; >150%, 200ms			
<b>BATTERIES</b>				
Long run model battery voltage	± 240 VDC (Selectable, 32 - 40pcs)			
Charger power	10Amax			
Charger voltage precision	1%			
<b>SYSTEM</b>				
Efficiency	92% Max.			
Transfer time	0 ms			
Max. number of parallel connections	2			
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			
<b>OTHERS</b>				
Operation temperature	0°C ~ 40°C			
Storage temperature	-40°C ~ 70°C			
Relative humidity	0 ~ 95% Non condensing			
Altitude	<1000m, load derated 1% per 100m from 1000 ~ 2000m			
IP rating	IP 20			
Noise (1 meter)	58 dB			
Module dimension (W × D × H, mm)	350 × 715 × 1032.5			350 × 845.2 × 1032.5
Packaged dimensions (W × D × H, mm)	445 × 833 × 1085			445 × 938 × 1085
Net weight (kg)	110	132	145	190
Gross weight (kg)	121	143	156	203

### Notes:

- All specifications are subject to change without notice.
- Custom-made specifications are acceptable.