EA990 G5

10 kVA ~ 30 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 93%, 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	EA9920	EA9930
Capacity	10 kVA / 10 kW	15 kVA / 15 kW	20 kVA / 20 kW	30 kVA / 30 kW
INPUT				
Rated voltage	208/220Vac (3Φ + N + PE)			
Voltage range	166-261Vac, full load 125-166Vac, 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	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			
OUTPUT				
Rated voltage	208/220Vac (3Φ + N + PE)			
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 ~ ±168VDC (default ±120VDC)			
Standard model inbuilt battery	(10+10) x 9AH	(10+10) x 7AH x 2 strings	(10+10) x 9AH x 2 strings	(10+10) x 9AH x 3 strings
Charger power	10A max		15A	20A
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	93% 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 Max.		62dB Max.	
Module dimension (W x D x H, mm)	250 x 720 x 560 (H) 250 x 800 x 700 (S)	250 x 840 x 650 (H) 250 x 840 x 930 (S)	250 x 730 x 560 (H) 250 x 730 x 840 (S)	250 x 790 x 560 (H) 350 x 800 x 1050 (S)
Packaged dimension (W x D x H, mm)	350 x 800 x718 (H) 350 x 900 x 862 (S)	350 x 980 x 810 (H) 350 x 950 x 1102 (S)	350 x 800 x 718 (H) 350 x 800 x 1000 (S)	350 x 850 x 718 (H) 450 x 900 x 1250 (S)
Net weight (kg)	33 (H) 98 (S)	42 (H) 168 (S)	42 (H) 150 (S)	48 (H) 230 (S)
Gross weight (kg)	42 (H) 109 (S)	52 (H) 180 (S)	52 (H) 160 (S)	58 (H) 245 (S)

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