

EA990RT G5

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



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)

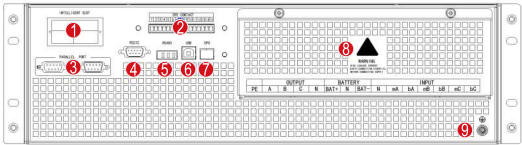
- Zero switching time for UPS power supply mode when the mains power is unstable, ensuring the output is uninterrupted
- 5 inches LCD colorful touch screen, friendly human & machine interface
- Powerful background software for parameters configuration and online upgrade
- Advanced multi-platform communication for UPS monitoring: RS232, USB, RS485, dry contacts, SNMP card, W-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

Application

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

Rear Panel

1. SNMP card(optional)
2. Dry contacts
3. Parallel card
4. RS232
5. RS485
6. USB
7. EPO
8. Terminal block
9. PE



10-15kVA Rear Panel

Specifications

MODEL	EA9910	EA9915
Capacity	10 kVA / 10 kW	15kVA/15kW
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	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 (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	
Output voltage THDv	<1% (full linear load), <3% (full non-linear load according to IEC/EN62040-3)	
Crest factor	3:1	
Overload	<110%, 60min; 110%~125%,10min; 125%~150%,1min; >150%, 200ms	
BATTERIES		
Long run model battery voltage	±120VDC	
Charger power	10A Max	
Charger voltage precision	1%	
Recharge time	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 @ 100% load, 58dB @ 50% load	
Module dimension (W x D x H,mm)	440 x 690 x 130	440 x 705 x 130
Packaged dimensions (W × D × H) (mm)	532 x 800 x 204	535 x 820 x 205
Net weight (kg)	24	26
Gross weight (kg)	26	28

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