

EA990RT G5

10 kVA ~ 60 kVA
(3:3)
PF 1.0

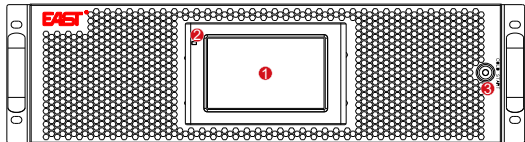


Features

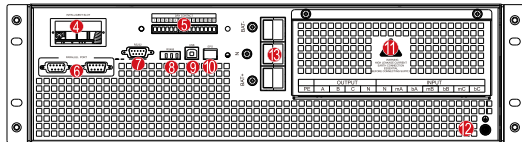
- High frequency on-line double conversion technology
- Advanced dual-core DSP control technology and 3-level technology
- Active power factor correction (APFC), input power factor up to 0.99
- System efficiency is improved to 96%, energy saving rate is doubled
- Output power factor 1.0
- Dual input 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
- Work 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
- Flexible battery configuration setting, selectable battery numbers: 32~ 40 pcs
- Digitally controlled charger (Max.20 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
- Compact internal layout, small footprint
- 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 logs for future check
- Standard RS232, USB, RS485, EPO, Dry contacts, Parallel port
- Optional SNMP card, Wi-Fi card, GPRS card, SMS alarms

Rear Panel

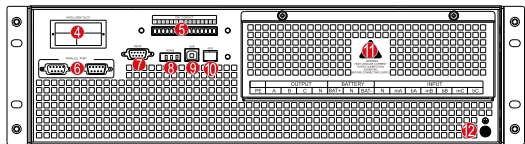
1. The touch screen LCD
2. LED
3. Battery start button
4. SNMP card (optional)
5. Dry contacts
6. Parallel port
7. RS232
8. RS485
9. USB
10. EPO
11. Terminal block
12. GND
13. Battery connectors for 30kVA



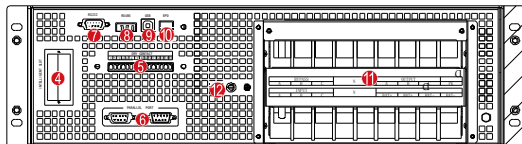
10-60kVA front appearance



30kVA back appearance



10-20kVA back appearance



40-60kVA back appearance

Specifications

MODEL	EA9910RT	EA9915RT	EA9920RT	EA9930RT	EA9940RT	EA9960RT
Capacity	10 kVA / 10 kW	15 kVA / 15 kW	20 kVA / 20 kW	30 kVA / 30 kW	40 kVA / 40 kW	60 kVA / 60 kW
INPUT						
Rated voltage	380 / 400 / 415 Vac (3Φ + N + PE)					
Voltage range	304~478 Vac, full load 228V~304 Vac, 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					
Total harmonic distortion (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	380 / 400 / 415 Vac (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					
Total harmonic distortion (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						
DC voltage	±240VDC (selectable, 32 - 40pcs)					
Charging current	10A Max.				15 A	20 A
Charger voltage precision	1%					
Recharge time	Long time model: depend on the capacity of battery					
SYSTEM						
Efficiency	95% Max.				96% Max.	
Transfer time	0 ms					
Max. number of parallel connections	4					
Protections	Short-circuit, overload, overtemperature, battery low voltage, overvoltage, undervoltage and fan failure					
Communications	RS232, USB, RS485, EPO, Dry contacts, Parallel port (Standard) SNMP card, WI-FI card, GPRS card, SMS alarms (Optional)					
Display	LED + 5 inches 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 level at 1 m	<60dB				<65dB	
Dimensions (W × D × H) (mm)	440 x 660 x 130			440 x 750 x 130	440 x 730 x 130	440 x 800 x 130
Packaged dimensions (W × D × H) (mm)	532 x 800 x 204			532 x 890 x 204	535 x 865 x 226	535 x 930 x 226
Net weight (kg)	22	24		29	33	39
Gross weight (kg)	24	26		31	36	42

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