

EA990RT G5

10 kVA ~ 30 kVA
(3:3)
PF 1.0

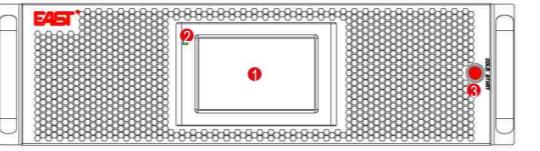


Features

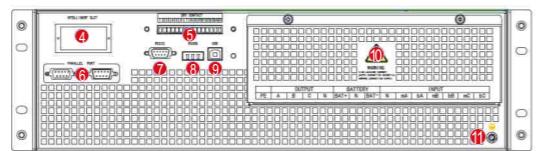
- Advanced dual-core DSP control technology and 3-level technology
- Active power factor correction (APFC), input power factor up to 0.99
- System efficiency is improved to 95%, energy saving rate is doubled
- Output power factor 1.0
- Dual input design, supporting independent bypass
- Advanced digital 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.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
- 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 log 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. 5 inches LCD colorful touch screen
2. LED
3. Battery start button
4. SNMP card (optional)
5. Dry contacts
6. Parallel port
7. RS232
8. RS485
9. USB
10. Terminal block
11. PE



Front panel



Rear panel

Specifications

MODEL	EA9910RT	EA9915RT	EA9920RT	EA9930RT
Capacity	10 kVA / 10 kW	15 kVA / 15 kW	20 kVA / 20 kW	30 kVA / 30 kW
INPUT				
Rated voltage		380 / 400 / 415 Vac (L-L)		
Voltage range		304~478 Vac (L-L), full load	228V~304 Vac (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		
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 (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		
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		
Charger Voltage precision		1%		
Recharge time		Long time model: depend on the capacity of battery		
SYSTEM				
Efficiency		95% 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°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 level at 1 m		55dB @ 100% load, 52dB @ 50% load	58dB @ 100% load, 55dB @ 50% load	
Dimensions (W × D × H) (mm)		440 x 660 x 130	440 x 750 x 130	
Packaged dimensions (W × D × H) (mm)		532 x 800 x 204	532 x 890 x 204	
Net weight (kg)	22	24	26	29
Gross weight (kg)	24	26	31	

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

• Custom-made specifications are acceptable.