

Tower Integrated 110/220V UPS 1-20KVA

COMCAST GROUP



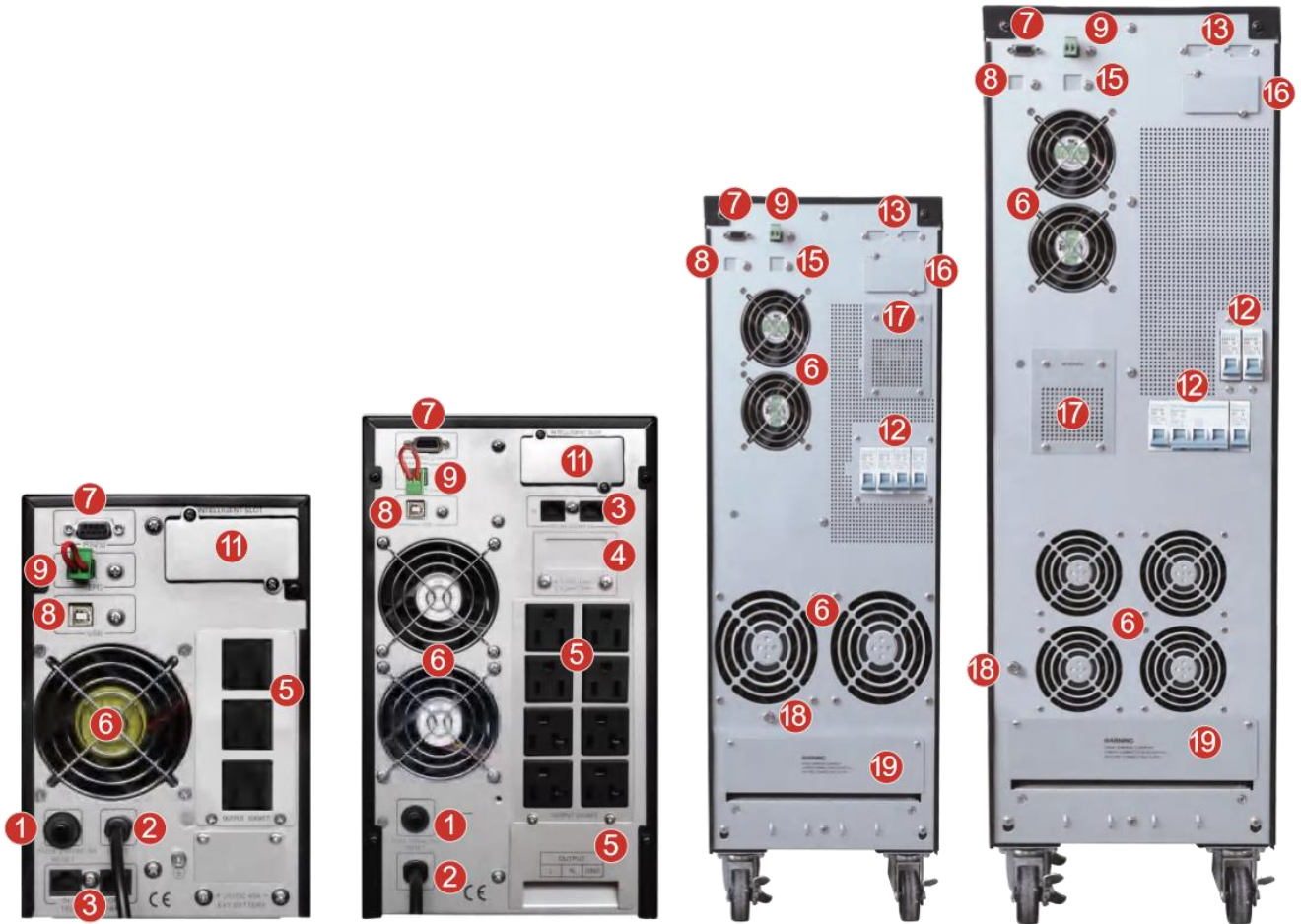
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Features

- High frequency and true double-conversion
- DSP digital control technology
- Input power factor correction (PFC)
- Wide input voltage range
- Output power factor 1.0 on 6 ~ 20KVA
- Cold start
- Auto sensing frequency
- ECO mode operation for energy saving
- Selectable output voltage via LCD
- Output bypass settable for 1,2,3KVA via LCD
- 50Hz/60Hz frequency conversion mode available on 6 ~20KVA
- 6 ~20KVA built in output isolation transformer
- Selectable battery low voltage via LCD
- Power-on self test
- Advanced battery management (ABM)
- Short circuit and overload protection
- Automatic charging in OFF mode
- Fan speed auto control when loads varies
- Standard RS232 communication port and RJ45 protection
- Optional USB/SNMP communication port
- Optional emergency power off (EPO)
- Optional extension battery bank
- Optional manual bypass on 6 ~20KVA
- Optional N+X redundancy parallel on 6 ~20KVA

Rear Panel



1. Overcurrent Protection
2. AC Input
3. Modem/Tel/Fax
4. DC Input 5. Outlet
6. FAN
7. RS232
8. USB (optional)
9. EPO (optional)
10. Manual Bypass (optional)

11. SNMP/AS400 (optional)
12. Breaker 13. Parallel Card (optional)
14. BAT_NTC (optional)
15. Temperature Detection (optional)
16. Intelligent Slot or RS485 (optional)
17. Reserved (optional)
18. GND

Specification

MODEL	EA901	EA902	EA903	EA906	EA9010	EA9020
Capacity	KVA / 900 W	KVA / 1800 W	KVA / 2700W	KVA / 6 KW	KVA / 10 KW	KVA / 20 KW
INPUT						
Rated voltage	Vac / 110 Vac / 115 Vac / 120 Vac / 127 Vac			Vac / 220 Vac / 230 Vac / 240 Vac		
Voltage range	50~ 80Vac (linear derating between 50% and 100% load);			~ 176 Vac (linear derating between 50% and 100% load);		
	~ 150Vac (no derating);			~ 288 Vac (no derating)		
Frequency	~ 55Hz ± 0.5% or 55 ~ 65Hz ± 0.5% (auto-sense)			/ 60 Hz (auto-sensing)		
Power factor	≥ 0.98			≥ 0.99		
Bypass voltage range	(90 ~ 140) ±5 Vac			-40% ~ +15% (settable)		
OUTPUT						
Voltage regulation	Vac / 110 Vac / 115 Vac / 120 Vac / 127 Vac (settable via LCD)			(PF=0.9) / 220 / 230 / 240 Vac Or 110 / 115 / 120 Vac (two groups, their phase angles different by 180°)		
Voltage	± 1%			± 5%		
Frequency	Synchronized with utility in mains mode; 50/60±0.2Hz in battery mode			Synchronized to bypass in mains mode; 50 / 60 Hz ± 0.1% Hz in battery mode		
Waveform	Sinusoidal					
Crest factor	3:1					
Harmonic distortion	≤ 3% (linear load); ≤ 5% (non-linear load)			≤ 3% (linear load); ≤ 6% (non-linear load)		
Transfer time	Mains mode to battery mode: 0 ms			ms		
	Inverter mode to bypass mode: 4 ms (typical)					
Overload capability	105% ~ 150%: transfer to bypass in 30 s; > 150%: transfer to bypass in 300 ms			105% ~ 110% for 10 min, 110% ~ 125% for 1 min, 126% ~ 150% for 30 s		
BATTERIES						
voltage	V	V	V	Vdc (192 ~ 240 Vdc settable)		
Inbuilt battery of standard model	× 9 Ah	× 9 Ah	× 9 Ah	V / 7 Ah × 16	V / 9 Ah × 16	V / 9 Ah × 16 (two groups)
Charging current	A					
Typical recharge time	h			90% capacity restored in 8 hours		
Efficiency	≥ 90% in mains mode; ≥ 87% in battery mode; ≥ 94% in ECO mode			Max. 89.5% (max. 93% in ECO mode)		Max. 90% (max. 93% in ECO mode)
Communications	RS232 (standard), USB / SNMP (optional)			RS232 (standard), USB / RS485 / dry contacts / SNMP / battery temperature compensation (optional)		
OTHERS						
Humidity	~ 90% RH @ 0 ~ 40°C (non-condensing)			~ 95% (non-condensing)		
Noise level	≤ 50dB (1m)			≤ 55 dB	≤ 58 dB	
Dimensions (mm) W×D×H	× 357 × 215	× 452 × 341		× 712 × 732		× 745 × 1183
Packaged dimensions (mm) W×D×H	× 457 × 320	× 573 × 472		× 825 × 931		× 890 × 1366
Net/Gross weight (kg)	11.0 / 13.5	20.0 / 21.5	24.0 / 25.5	93.0 / 105.0	115.0 / 127.0	256.0 / 271.0

For More Information

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