

EA900Pro

1KVA ~ 3KVA
PF 0.9

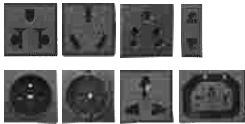


Features

- High frequency and true double-conversion
- DSP (Digital Signal Processors) technology
- Input power factor correction (PFC)
- Wide input voltage range (110V~300V)
- Output power factor 0.9
- Cold start
- Auto sensing frequency
- ECO mode operation for energy saving
- Selectable output voltage via LCD
- Output bypass settable via LCD
- Power-on self test
- Advanced battery management (ABM)
- Short circuit and overload protection
- Automatic charging in OFF mode
- Auto control fan speed 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 built-in isolation transformer

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. SNMP/AS400 (optional)



Optional sockets



Specifications

MODEL	EA901PS	EA901PH	EA902PS	EA902PH	EA903PS	EA903PH
Capacity	1 KVA / 900 W		2 KVA / 1800 W		3 KVA / 2700 W	
INPUT						
Rated voltage	208 V / 220 V / 230 V / 240 Vac					
Voltage range	110 ~ 176 Vac (linear derating between 50% and 100% load); 176 ~ 280 Vac (no derating); 280 ~ 300 Vac (derating 50%)					
Frequency	40 ~ 70 Hz (auto-sense)					
Power factor	≥ 0.99					
Bypass voltage range	-25% ~ +15% (settable)					
OUTPUT						
Voltage	208 V / 220 V / 230 V / 240 Vac (settable via LCD)					
Voltage regulation	± 1%					
Frequency	45 ~ 55 Hz or 55 ~ 65 Hz (synchronized range); 50 / 60 Hz ± 0.1 Hz (battery mode)					
Waveform	Sinusoidal					
Crest factor	3:1					
Harmonic distortion	≤ 2% (linear load); ≤ 5% (non-linear load)					
Transfer time	Mains mode to battery mode: 0 ms Inverter mode to bypass mode: 4 ms (typical)					
Overload capability	105% ~ 125%: transfer to bypass in 1 min; 125% ~ 150%: transfer to bypass in 30 s; > 150%: transfer to bypass in 300 ms					
EFFICIENCY						
Mains mode	≥ 90%		≥ 91%		≥ 92%	
Battery mode	≥ 85%		≥ 86%		≥ 87%	
ECO mode	≥ 95%		≥ 96%		≥ 97%	
BATTERIES						
DC voltage	24 V	36 V	48 V	72 V	72 V	96 V
Inbuilt battery of standard model	2 × 9 Ah	/	4 × 9 Ah	/	6 × 9 Ah	/
Charging current (max.)	1 A	6 A	1 A	6 A	1 A	6 A
Recharge time	8 h					
ALARMS						
Utility failure	4 s per beep					
Low battery	1 s per beep					
Overload	1 s twice beep					
UPS fault	Long beep					
COMMUNICATIONS						
RS232 (standard) / USB (optional)	Supports Windows® 98 / 2000 / 2003 / XP / Vista / 2008 / Windows® 7 / 8 / 10					
SNMP (optional)	Power management from SNMP manager and web browser					
OTHERS						
Operating temperature	0 ~ 40°C					
Relative Humidity	0 ~ 90% (non-condensing)					
Noise level	≤ 50 dB (1m)					
Dimensions (W × D × H) (mm)	144 × 336 × 214		191 × 418 × 332			
Packaged dimensions (W × D × H) (mm)	232 × 420 × 318		318 × 533 × 471			
Net weight (kg)	9.5	6	18	10.5	22.5	11
Gross weight (kg)	10.5	7	19.5	12	24	12.5

- Derate capacity to 70% in CUCEF mode and to 90% when the output voltage is adjusted to 208Vac.
- S means standard model, H means long time model.
- All specifications subject to change without notice.
- Custom-made specifications are acceptable.