

เครื่องสำรองไฟฟ้า (UPS)

True online UPS Double Conversion High Frequency

EA 900-G4 1 kVA to 3 kVA

CBC[®]
GROUP
UPS
Uninterruptible
Power Supply

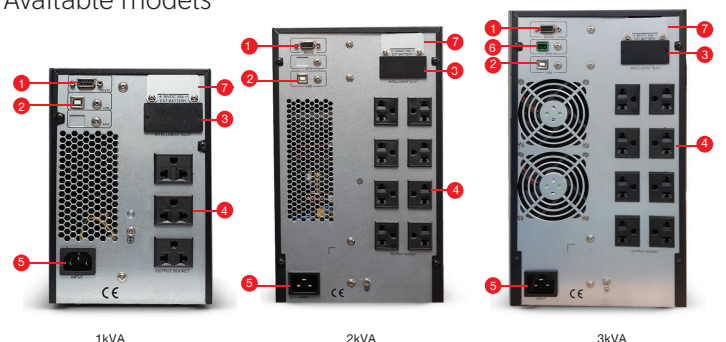


Feature

- High frequency on-line double conversion technology
- DSP (Digital signal processing) control technology
- Active power factor correction (APFC), input power factor up to 0.99
- Output power factor 0.9
- Wide input voltage range (110V ~ 300Vac)
- Auto sensing frequency
- 50 / 60 Hz frequency conversion
- Digitally controlled charger, charging voltage and current configured by demands
- High charging current available (Max. 12 A)
- Cold start

- Rear ventilation design and variable speed fan
- Effective software and hardware protection
- Quick and stable charging, 90% capacity restored in 3h (standard model UPS)
- Linear derating in low voltage input reducing battery discharging times
- Advanced battery management (ABM)
- Multiple functions settable via LCD: output voltage, EOD, auto-start, bypass mode, ECO mode
- Multi-platform communications: RS232 (standard), USB / RS485 / SNMP / dry contacts (optional)
- Optional USB, RS485 card, AS400 dry contacts, SNMP card, SMS alarms, EPO function

Available models



1kVA

2kVA

3kVA

- | | | |
|-------------------------------------|------------------------------|--|
| 1. RS232 Communication Interface | 4. Output Socket | 7. Battery Slot for long back time model |
| 2. USB | 5. AC Input Socket | |
| 3. Intelligent Slot (SNMP) Optional | 6. Emergency Power Off (EPO) | |



มอก.1291 เล่ม1 - 2553
มอก.1291 เล่ม2 - 2553
มอก.1291 เล่ม3 - 2555
บริษัท ซีบีซี อินเทอร์เน็ต จำกัด



RoHS
Compliant

CE Test standards : EN 62040-2 : 2006
EN 61000-3-2 : 2006+A1:2009+A2:2009
EN61000-3-3 : 2013

EA 900-G4

Technical specifications



MODEL	EA901		EA902		EA903	
Capacity	1 kVA / 900 W		2 kVA / 1800 W		3 kVA / 2700 W	
INPUT						
Rated voltage	208 / 220 / 230 / 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	50/60 Hz ± 5 Hz (auto-sensing)					
Power factor	≥ 0.95		≥ 0.99			
Bypass voltage range	- 40% ~ +20% (settable)					
Rated input frequency	50 Hz / 60 Hz (auto-sense)					
THDi	≤ 5%					
OUTPUT						
Voltage	208 / 220 / 230 / 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					
Power factor	0.9					
THDv	≤ 2% (linear load), ≤ 5% (non-linear load)					
Crest factor	3:1					
Overload	105% ~ 110% for 30 min, 110% ~ 130% for 10 min, 130% ~ 150% for 30s, > 150% for 500 ms					
BATTERIES						
Battery type	Sealed lead acid maintenance free battery					
DC voltage	36V (S)	36V (H)	72V (S)	72V (H)	96V (S)	96V (H)
Inbuilt battery	3×7Ah	/	6×7 Ah	/	8×7 Ah	/
Charging current (max.)	12 A (1 ~12A settable)					
Recharge time	Standard model: 90% capacity restored in 3 hours; Long time model: depend on the capacity of battery					
SYSTEM						
Efficiency	≥ 93.5% (Mains mode)	≥ 93.5% (Mains mode)	≥ 94.5% (Mains mode)	≥ 94.5% (Mains mode)	≥ 94.5% (Mains mode)	≥ 95.5% (Mains mode)
	≥ 89% (Battery mode)	≥ 90% (Battery mode)	≥ 91% (Battery mode)	≥ 92.5% (Battery mode)	≥ 92.5% (Battery mode)	≥ 93% (Battery mode)
	≥ 98.5% (ECO mode)	≥ 98.5% (ECO mode)	≥ 99% (ECO mode)	≥ 99% (ECO mode)	≥ 99% (ECO mode)	≥ 99% (ECO mode)
Transfer time	Mains mode to battery mode: 0 ms Inverter mode to bypass mode: 4 ms (typical)					
Protections	Short-circuit, overload, overtemperature, battery discharge protection and fan testing protection					
Communication port	RS232 (standard), USB / RS485 / SNMP/ dry contacts (optional)					
Display	LCD + LED					
ENVIRONMENT						
Operating humidity	0 ~ 95 % RH @ 0 ~ 40°C (non-condensing)					
Storage temperature	-25°C ~ 55°C (exclude batteries)					
Operating altitude	≤ 1000m, above 1000m, derating 1% for each additional 100 m					
IP rating	IP 20					
Noise level at 1m	≤ 50 dB					
OTHERS						
Dimensions (W×D×H) (mm)	144 ×371 ×216	144 ×312 ×216	191 ×419 ×335	144 ×417 ×216	191 ×419 ×335	144 ×417 ×216
Packaged dimensions (W×D×H) (mm)	230 ×460 ×315	230 ×402 ×315	277 ×500 ×435	230 ×506 ×315	277 ×500 ×435	230 ×506 ×315
Net weight (kg)	10.9	4.0	21.4	6.1	25.6	6.5
Gross weight (kg)	12.1	5.1	23.1	7.5	27.3	8.0

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

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To be Thai International Power
and Green Energy Company