

# เครื่องสำรองไฟฟ้า (UPS)

## True online UPS Double Conversion High Frequency

### EA900S-G3A 1 kVA to 3 kVA



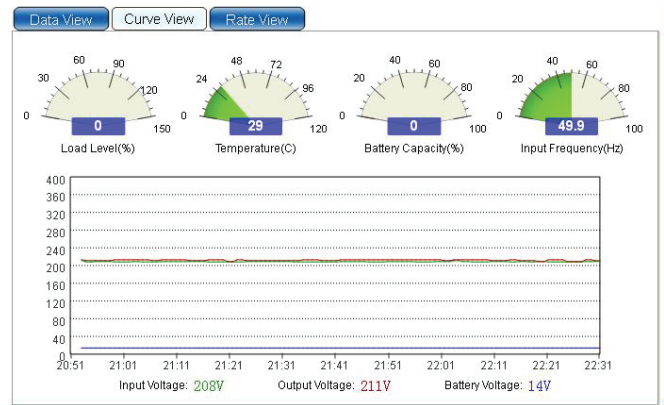
#### Ideal applications

Centralized server center, mainframe, network control center, computing center

#### Product features

- High frequency True on-line double conversion technology.
- DSP (Digital signal processors) / Micro - processor 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) and frequency range (40 ~ 70Hz)
- Emergency power off (EPO).
- 50/60Hz frequency conversion, Auto sensing frequency.
- Cold start.
- Rear ventilation design and variable speed fan.
- Effective software and hardware protection.
- Quick and stable charging, 90% capacity restored in 3 h (standard model UPS).
- Linear derating in low voltage input reducing battery discharging times.
- Settable delayed start when power is restored.
- Advanced battery management (ABM).
- Short-circuit, overload, overtemperature, battery discharge protection and fan testing protection
- Multiple functions settable via LCD: output voltage, EOD, auto-start, bypass mode, ECO mode and frequency conversion mode.
- Multi-platform communications: RS232 /USB (standard)
- Certificates: TIS.1291 Type 1-2553, TIS1291 Type 2-2553, TIS.1291 Type 3-2555, ISO9001-2015, ISO14001, RoHs, EN, IEC

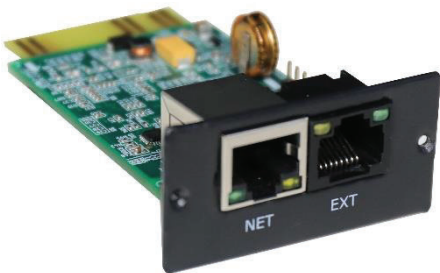
# Monitoring Software UPSmart



## Features

- Mains, battery, inverter, bypass, and self test etc working status;
- Voltage, frequency, load, battery and other information can real time monitoring;
- Automatically save the common application before shutting down the system, hibernate or shutdown state;
- Can be carried out on the UPS diagnostic testing and can choose a variety of test methods;
- Can be set timing automatic execution of computer and UPS sequence on/off;
- You can query operation and the historical events and the parameters of historical records
- Local alarm and remote alarm functions both available;
- Can be set auto start;

## Network interface card (Optional)



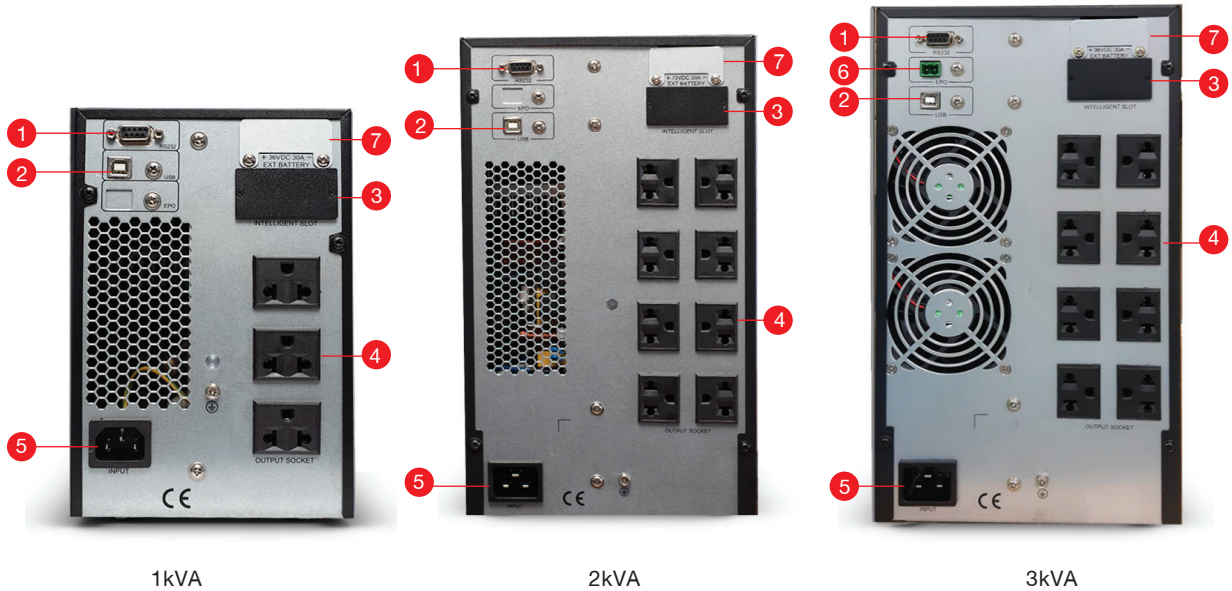
SNMP card enables real-time monitoring of your UPS system via a standard web browser.

SNMP card is new generation network monitoring product. Not only could monitor UPS stand-alone, SNMP card also could real-time network monitor and management of UPS. Integrated monitoring can be achieved by coordinating corresponding PC software. And it is quite convenient for User to take network management for UPS.

# Display



# Available models



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)	

# Technical specifications

MODEL	EA901S-G3A	EA902S-G3A	EA903S-G3A
<b>Capacity</b>	<b>1kVA 900W</b>	<b>2kVA 1800W</b>	<b>3kVA 2700W</b>
<b>INPUT</b>			
Rated voltage	208 V / 220 V / 230 V / 240 Vac , Single phase [2Wires+G]		
Voltage range	110 ~ 176Vac (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		
Total harmonic distortion (THDi)	≤ 6%		
Bypass voltage range	-25% ~ +15% (settable)		
<b>OUTPUT</b>			
Voltage	208 V / 220 V / 230 V / 240 Vac (settable via LCD) , Single phase [2Wires+G]		
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		
Total harmonic distortion (THDv)	≤ 2% (linear load) ; ≤ 5% (non-linear load)		
Transfer time	Mains mode to battery mode: 0 ms Inverter mode to bypass mode: 4 ms (typical)		
Power factor	0.9		
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		
<b>EFFICIENCY</b>			
Mains mode	≥ 90%	≥ 91%	≥ 92%
Battery mode	≥ 85%	≥ 86%	≥ 87%
ECO mode	≥ 95%	≥ 96%	≥ 97%
<b>BATTERIES</b>			
	Sealed lead acid maintenance free battery type		
DC voltage	36 V	72 V	96 V
Inbuilt battery	3× 12V7Ah	6×12V7Ah	8×12V7Ah
Back up time	5 -15 Min (Depend on the load)		
Recharge time	Quick charging , 90% capacity restored in 3Hr , (Standard model)		
<b>ALARMS</b>			
Utility failure	4 s per beep		
Low battery	1 s per beep		
Overload	1 s twice beep		
UPS fault	Long beep		
<b>COMMUNICATIONS</b>			
RS232 / USB (standard)	Supports Windows® 98 / 2000 / 2003 / XP / Vista / 2008 / Windows® 7 / 8 / 10		
SNMP (optional)	Power management from SNMP manager and web browser		
<b>OTHERS</b>			
Ambian temperature	0 ~ 40 °C		
Relative Humidity	0 ~ 90% (non-condensing)		
Noise level	≤50 dB (1m)		
Dimensions (WxDxH) (mm)	144×371×216	191×419×335	191×419×335
Net weight (kg)	12.8	23.1	29.4

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All specifications subject to change without notice.  
Custom - made specifications are acceptable.