

Line Interactive UPS

AR-DG SERIES

600 ~ 3000VA

ARES

General introduction

This UPS is specially designed for Personal Computer with multi-functions. Its light weight, compact design perfect fits to the limited working environment. The line of UPS is equipped with two boost and one buck AVR to stabilize wide input voltage range. It is also built-in with DC start function. This function enables the UPS to be started up without AC power supply. Although it's a small UPS, The main features of UPS are listed below:

Features

- Line Interactive UPS with simulated sinewave output
- Excellent microprocessor control guarantees high reliability (Internal self-diagnostic technology)
- Boost and buck AVR for voltage stabilization (wide input range with two boost and one buck control)
- Auto restart while AC is recovering
- Cold start function
- Off-mode charging
- Fast intelligent battery recharge function
- Generator compatible
- Offering LED and LCD panels for selections
- Optional USB/RS232 communication port and RJ11/RJ45 protection



Two kinds of color LCD display

LED display

- ① AC input
- ② Output socket
- ③ USB & RJ11 communication
- ④ USB & RS232 communication
- ⑤ RJ45



Optional socket



Rear Panel



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MODEL	AR-DG600	AR-DG800	AR-DG1000	AR-DG1200	AR-DG1500	AR-DG2000	AR-DG2400	AR-DG3000
Capacity(VA/Watts)	600 / 360	800 / 480	1000 / 600	1200 / 720	1500 / 900	2000 / 1200	2400 / 1440	3000 / 1800

INPUT

Voltage	220/230/240Vac
Voltage Range	140~300Vac
Frequency Range	50/60Hz (auto sensing)

OUTPUT

AC Voltage Regulation (Batt. Mode)	± 10%
Frequency Range (Batt. Mode)	50/60Hz ± 1 Hz
Transfer Time	Typical 4~8ms, 13ms Max.
Waveform (Batt. Mode)	Simulated Sinewave

BATTERY

Battery Voltage	12Vdc		24Vdc				48Vdc	
Battery Type & Number	12 V / 7Ah x 1	12 V / 9Ah x 1	12 V / 7Ah x 2	12 V / 7Ah x 2	12 V / 9Ah x 2	12 V / 9Ah x 2	12 V / 7Ah x 4	12 V / 9Ah x 4
Typical Recharge Time	4~6 hours recover to 90% capacity		6~8 hours recover to 90% capacity					

INDICATORS

LED Display(LED version)	AC Mode, Battery Mode, Overload, Fault	N/A
LCD Display(LCD version)	AC Mode, Battery Mode, Load Level, Battery Level, Input Voltage, Output Voltage, Overload, Fault, and Battery Low	

PROTECTION

Full Protection	Short circuit, Overload , Overcharge and overdischarge protection
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ALARM

Battery mode	Sounding every 10 seconds
Low Battery	Sounding every second
Overload	Sounding every 0.5 second
Battery Replacement Alarm	Sounding every 2 seconds
Fault	Continuously sounding

MANAGEMENT

Communication port	USB or RS232(Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7, Linux, Unix, and MAC)
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OPERATING ENVIRONMENT

Humidity	0-90 % RH @ 0- 40° C (non-condensing)	
Noise Level	Less than 45dB	Less than 55dB

PHYSICAL

Approx. Dimension D * W * H (mm)	298*101*142		353*149*162		380*158*198		433*144*207	
Approx. Net Weight (kgs)	Approx. 4.3	Approx. 4.9	Approx. 7.8	Approx. 8.4	Approx. 10.1	Approx. 10.5	Approx. 20	Approx. 23

Specifications are subject to change without prior notice.