DG Series 600~3000VA

KSTAR

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:

Two kinds of color LCD display   LED display

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

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

Optional socket   Rear Panel

Technical Specifications

MODEL	DG 600	DG 800	DG 1K	DG 1.2K	DG 1.5K	DG 2K	DG 2.4K	DG 3K
Capacity	600VA/360W	800VA/480W	1000VA/600W	1200VA/720W	1500VA/900W	2000VA/1200W	2400VA/1440W	3000VA/1800W
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/Ah × 1	12 V/9Ah × 1	12 V/7Ah × 2	12 V/7Ah × 2	12 V/9Ah × 2	12 V/9Ah × 2	12 V/7Ah × 4	12 V/9Ah × 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							
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)							
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)	298 × 101 × 142mm		353 × 149 × 162mm		380 × 158 × 198mm		436 × 145 × 212mm	
Approx. Net Weight	Approx. 4.3kg	Approx. 4.9kg	Approx. 7.8kg	Approx. 8.4kg	Approx. 10.1kg	Approx. 10.5kg	Approx. 20kg	Approx. 23kg

1. Specifications are subject to change without prior notice
2. Data above are typical values for reference only, not as a basis for engineering design