



## 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 panels
- Optional USB/RS232 communication port and RJ11/RJ45 protection

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



Euro type



IEC type

Optional socket



650/850VA

1000/1200VA

1500/2000VA

Rear Panel



## Technical Specifications

MODEL	COOPER650	COOPER850	COOPER1000	COOPER1200	COOPER1500	COOPER2000
Capacity	650VA/360W	850VA/480W	1000VA/600W	1200VA/720W	1500VA/900W	2000VA/1200W
<b>INPUT</b>						
Voltage	220/230/240Vac					
Voltage Range	140–300Vac					
Frequency Range	50/60Hz (Auto sensing)					
<b>OUTPUT</b>						
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					
Socket number	4*IEC or 2*Euro		4*IEC or 4*Euro		6*IEC or 4*Euro	
<b>BATTERY</b>						
Battery Voltage	12Vdc			24Vdc		
Battery Type & Number	12 V/7Ah × 1	12 V/9Ah × 1	12 V/7Ah × 2	12 V/7Ah × 2	12 V/9Ah × 2	12 V/9Ah × 2
Typical Recharge Time	4–6 hours recover to 90% capacity			6–8 hours recover to 90% capacity		
<b>INDICATORS</b>						
LED Display (LED version)	AC Mode, Battery Mode, Overload, Fault					
<b>PROTECTION</b>						
Full Protection	Short circuit, Overload, Overcharge and overdischarge protection					
<b>ALARM</b>						
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					
<b>MANAGEMENT</b>						
Communication port	USB or RS232 (Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7, Linux, Unix, and MAC)					
<b>OPERATING ENVIRONMENT</b>						
Humidity	0–90 % RH @ 0–40° C (Non-condensing)					
Noise Level	Less than 45dB			Less than 55dB		
<b>PHYSICAL</b>						
Approx. Dimension (D × W × H)	298 × 101 × 142mm		353 × 149 × 162mm		380 × 158 × 198mm	
Approx. Net Weight	Approx. 4.3kg	Approx. 4.9kg	Approx. 7.8kg	Approx. 8.4kg	Approx. 10.1kg	Approx. 10.5kg

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