

## OPTI-UPS

ES-1000C      ES-1500C

### Protection for small electronic equipment

The ESC series offer the highest power capacity and the best equipment protection around. Not only do they protect against blackouts, sags and surges, but with the added feature of AVR (Automatic Voltage Regulator), these UPS products ensure that only clean and safe currents reach your equipment.



### Features

- Regulate fluctuate voltages with AVR
- More power with 0.6~0.7 power factor
- 4 hours battery recharge time
- Up to 8 battery backup outlets
- Most outlets to back-up and/or protect more peripherals against counterparts
- Easy overloading recovery with a simple push circuit breaker
- 1050 joules surge energy rating to prevent damage from power surges or spikes
- RJ11/RJ45 protection
- RS-232 or USB version
- Easy battery replacement procedure
- Free UPS management software OPTI-SAFE USB (for USB port) compatible with Windows 95/98/ME/NT/2000/XP/2003
- Free UPS management software OPTI-SAFE Xtreme (for RS232 port) compatible with Windows 95/98/ME/NT/2000/XP/2003, IBM OS/2, IBM AIX, Novell Netware, Linux, FreeBSD, SUN Solaris (x86 and SPARC), HP-UX, and SGI Irix

# Silvertech Communications Limited



## Specifications

Model Name	ES1000C	ES1500C
Topology	Line-Interactive, Low Frequency	
On-battery Output Waveform	Simulated Sine Wave	
Maximum Capacity	1000VA / 700W	1400VA / 980W
<b>Input</b>		
Nominal Input Voltage	100 / 110 / 120Vac or 220 / 230 / 240Vac(!!)	
Nominal Input Frequency	50Hz / 60Hz Auto Sensing	
Input Voltage Range	Rated Voltage $\pm 25\%$	
<b>Output</b>		
Nominal Output Voltage	100 / 110 / 120Vac or 220 / 230 / 240Vac(!!)	
Output Voltage Regulation	Rated Voltage $\pm 5\%$ (on battery)	
Transfer Time (Typical)	4 ms	
Automatic Voltage Regulation (AVR)	Yes	
Start on battery	Yes	
Auto Restart	Yes	
Number of Outlets	8 Battery Backup (NEMA 15A) ; 8 Battery Backup (IEC 10A)	
<b>Protection</b>		
Data Line Surge Protection	RJ11 / RJ45	
Surge Energy Rating	1050 Joules	
Overload Protection	UPS shuts down at 110% load after 20 secs or 130% load after 3 secs	
Over Current Protection	Circuit Breaker	
Discharge Protection	Keylock	
<b>Battery</b>		
Configuration	12V (12V 7.2AH $\times 2$ )	12V (12V 34W $\times 2$ )
Typical Backup Time**	40 min	45 min
Recharge Time to 90% (Typical)	< 4 Hours	
<b>Advanced Warnings / Diagnostics</b>		
Front Panel	AC Mode / Battery Mode / Battery Fault / Boost / Buck	
Audible Alarms	Battery Mode / Battery Fault / Overload	
<b>Communication Interface</b>		
Communication Port	RS232 / USB (optional)	
<b>Environmental</b>		
Operation Temperature	0~40°C / 32~104°F	
Storage Temperature	-20~60°C / -4~140°F	
Audible Noise	40 dBA	
<b>Physical</b>		
Dimensions (L $\times$ W $\times$ H)	Physical: 378 $\times$ 140 $\times$ 201mm ; Packing: 487 $\times$ 270 $\times$ 326mm	
Weight	Net	14.1kg
	Gross	15.1kg
		16.2kg
		17.8kg

Tel: 2757 7281

Fax: 2757 6506

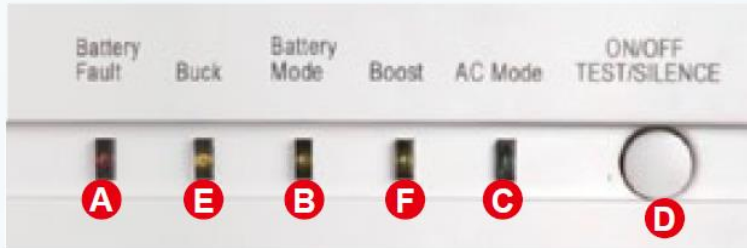
Email: info@silvertech-hk.com

Room 1123, 11/F., Nan Fung Commercial Centre, 19 Lam Lok Street, Kowloon Bay, Hong Kong

Shanghai office: Room 1107, Lucky Target Plaza, 500 Chengdu North Road, Huangpu, Shanghai, China

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## Front Panel



- A** Battery Fault
- B** Battery Mode
- C** AC Mode
- D** On/Off, Test/ Silence
- E** Buck
- F** Boost

## Rear Panel



- 1** RS232 / USB (Optional)
- 2** Data Line Protection
- 3** Battery Backup Outlets
- 4** Surge Protected Outlets
- 5** Input
- 6** Breaker

