

Line Interactive UPS

EM-500/700/1000ABC
EM-500/700/1000UBC

FEATURES:

- ▶ Line Interactive design.
- ▶ Easy replaceable battery design.
- ▶ Easy LED indicators.
- ▶ Equipped with boost and buck AVR to stabilize input voltage.
- ▶ Provide lightning, surge, overload and short circuit protection.
- ▶ Built-in CCCV battery charger and battery over drain protection.
- ▶ Auto restart when AC recovery.
- ▶ Cold start function. (DC power on).
- ▶ Tel / Modem / Fax / Internet surge suppression.
- ▶ Optional Bundles software: Automatically save your valuable files before auto shutdown.

Ni-MH / Ni-Cd

BATTERY CHARGER FEATURES

- Detect by $-\Delta V.0\Delta V$ charging curve, can 100% fully charge.
- Overtime, overload, overheat protection and non-rechargeable battery detection.
- 4 dual color LED indicators.
- Trickle charge after full charge.
- High speed charging current for fully charging battery within 2-6 hours.

FRONT PANEL:



1. Master power switch: "ON / OFF" button.
 2. On-Line LED: AC normal.
 3. Back-up LED: UPS in back-up.
 4. Cut off LED: UPS off.
- Ni-MH/Ni-Cd battery charger.
- 4 individual channels for charging 1-4 pcs AA / AAA Ni-MH/Ni-Cd battery.
 - 4 color LED indicators.
 - Green light after full charge.



• Easy replaceable battery design.

REAR PANEL:



1. OUTLETS
2. SURGE PROTECTION ONLY
3. AC INPUT
4. AC FUSE
5. TEL / MODEM SPIKE PROTECTION PORT
6. COMMUNICATION INTERFACE PORT



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SPECIFICATIONS:

Model	RS-232 USB	EM-500ABC EM-500UBC	EM-700ABC EM-700UBC	EM-1000ABC EM-1000UBC
Capacity		500VA / 250W	700VA / 350W	1000VA / 500W
Input	Voltage	110/115/120Vac or 220/230/240Vac		
	Voltage Range	86Vac~144Vac or 172Vac ~288Vac (+/-25%)		
	Frequency	47Hz~53Hz or 57Hz~63Hz		
Output	Voltage Regulation(Batt. Mode)	110/115/120Vac or 220/230/240Vac+/-10%		
	Frequency	50Hz or 60Hz +/-1Hz		
	Transfer Time	<6ms (typical)		
	Waveform	Simulated Sinewave		
	IEC-320:Battery/Surge only	2 / 1		4 / 2
		NEMA 5-15R:Battery/Surge only		4 / 2
Battery	Battery Type	12V/4.5Ah*1PC	12V/7Ah*1PC	12V/9Ah*1PC
	Recharge Time	5 hours to 90% after complete discharge		
	User's Replacement	Yes		
	Battery Protection	Over discharge protection,short circuit protection by fuse		
Advanced Battery Management	Yes			
Battery Back-up Time	10mins (Load with 1 PC)	20mins (Load with 1 PC)	30mins (Load with 1 PC)	
Function	Display	LED status indicators for line on(Green),back-up(Yellow), UPS cut off (Red)		
	Alarm	Buzzer on for Back-up mode,Battery low		
	Output Short Protection	AC fuse and electronic circuit(Line mode);electronic circuit (Back-up mode)		
	Communication Port	Shutdown software for Windows 95/98/NT/2000/ME/XP/Vista		
	Modem/Phone Protection	RJ-11		
	Lightning/Surge Protection	320 Joules		
AVR (Auto. Voltage Regulation)	Boost / Buck			
Environment	Safety Standard	CE (EN50091-1,EN62040-1-1)		
	EMC Standard	FCC Part 15 Class B,CE (EN50091-2,EN55011,EN61000-3-2,EN61000-3-3)		
	Operating Temperature	0 ~ 40°C		
	Relative Humidity	0 ~ 95%, non-condensing		
Audible Noise	<40 dBA at 1 meter			
Physical	Dimension(D*W*H)	310*95*170 mm		
	Net Weight	5kgs	6.5kgs	7.5kgs
NI-MH/Ni-Cd BATTERY CHARGER				
	Battery Type	Rechargeable batteries 'AA' or 'AAA'(Optional)		
	Charging Channels	1~4pcs 'AA' or 'AAA'		
	Output Charging Voltage	DC 1.5V		
	Charging Current	1000mA for 1pc; 500mA for 2pcs; 250mA for 4pcs ('AA' or 'AAA')		
DESIGN, MANUFACTURE, SERVICES	ISO 9001-2000			
Warranty	1 year			

