

Online UPS



1~3 KVA

- DSP (Digital signal processors) control technology
- Active power factor correction (APFC), input power factor up to 0.99
- Output power factor 0.9
- Wide input voltage range (110 V~300 Vac) and frequency range (40~70 Hz)
- Auto sensing frequency
- 50 / 60 Hz frequency conversion
- Cold start
- Rear ventilation design and variable speed fan
- Effective software and hardware protection
- Quick and stable charging, 90% capacity restored in 3 h (standard model UPS)
- Linear derating in low voltage input reducing battery discharging times
- Settable delayed start when power is restored
- Advanced battery management (ABM)
- Multiple functions settable via LCD: output voltage, EOD, auto-start, bypass mode, ECO mode and frequency conversion mode
- Multi-platform communications:
RS232 (standard), USB / RS485 / SNMP / dry contacts (optional)

Specifications

Model	E-1101 B	E-1101 LBT	E-1102 B	E-1102 LBT	E-1103 B	E-1103 LBT			
Capacity	1KVA / 900W		2KVA / 1800W		3KVA / 2700W				
INPUT									
Rated Voltage	208 V / 220 V / 230 V / 240 Vac								
Voltage Range	110 ~ 176 Vac (linear derating between 50% and 100% load); 176 ~ 280 Vac (no derating); 280 ~ 300 Vac (derating 50%)								
Frequency	40 ~ 70 Hz (auto-sense)								
Power Factor	≥ 0.99								
Bypass Voltage Range	-25% ~ +15% (settable)								
OUTPUT									
Voltage	208 V / 220 V / 230 V / 240 Vac (settable via LCD)								
Voltage Regulation	± 1%								
Frequency	45 ~ 55 Hz or 55 ~ 65 Hz (synchronized range); 50 / 60 Hz ± 0.1 Hz (battery mode)								
Wave Form	Sinusoidal								
Crest Factor	3:01								
Harmonic Distortion	≤ 2% (linear load); ≤ 5% (non-linear load)								
Transfer Time	Mains mode to battery mode: 0 ms Inverter mode to bypass mode: 4 ms (typical)								
Over Load	105% ~ 125%: transfer to bypass in 1 min; 125% ~ 150%: transfer to bypass in 30 s; > 150%: transfer to bypass in 300 ms								
EFFICIENCY									
Mains Mode	≥ 90 %		≥ 91 %		≥ 92 %				
Battery Mode	≥ 85 %		≥ 86 %		≥ 87 %				
ECO Mode	≥ 95 %		≥ 96 %		≥ 97 %				
Batteries									
DC Voltage	24 V	36 V	36 V	48 V	72 V	72 V	72 V	96 V	96 V
Inbuilt Battery	2 x 9 AH	3 x 7 AH	/	4 x 9 AH	6 x 7 AH	/	64 x 9 AH	8 x 7 AH	/
Charging Current (Max)	1 A		6 A	1 A		6 A	1 A		6 A
Recharge Time	8 h								
Alarms									
Utility Failure	4 S per Beep								
Low Battery	1 S per Beep								
Over Load	1 S twice Beep								
UPS Fault	Long Beep								

Model	E-1101 B		E-1101 LBT	E-1102 B		E-1102 LBT	E-1103 B		E-1103 LBT
Others									
Communications	RS232 (standard) / USB (optional) / SNMP (optional)								
Operating temperature	0 ~ 40°C								
Relative Humidity	0 ~ 90% (non-condensing)								
Noise level	≤ 50 dB (1m)								
Dimensions (W×D×H) (mm)	144 x 336 x 214	144 x 414 x 214	144 x 336 x 214	191 x 418 x 335			191 x 464 x 335	191 x 418 x 335	
Packaged dimensions (W×D×H) (mm)	232 x 417 x 318	230 x 492 x 320	232 x 417 x 318	318 x 533 x 471			320 x 573 x 472	318 x 533x471	
Net weight (kg)	9.5	13	6	18	25.8	10.5	27.2	32	11
Gross weight (kg)	10.5	14.2	7	19.5	27.4	12	29	34	12.5

* B stands for standard model, LBT stands long-run model.

* Product specifications are subject to change without further notice

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