

Online UPS

6 & 10 KVA



- High frequency on-line double conversion technology
- DSP (Digital signal processors) technology
- Active power factor correction (APFC), input power factor up to 0.99
- Output power factor 0.9
- Wide input voltage range (110V ~ 300Vac) and frequency range (40 ~ 70Hz)
- Auto sensing frequency
- 50/60Hz frequency conversion
- Cold start
- Rear ventilation design and variable speed fan
- Effective software and hardware protection
- Flexible battery configuration (Settable 14 - 20 pcs batteries)
- Quick and stable charging, 90% capacity restored in 4 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, battery quantity, EOD, EPO, ECO mode, frequency conversion mode and parallel enable
- Powerful background software for parameters configuration, function settings and online updating
- Multi-platform communications: RS232 (standard), USB / RS485 / SNMP / dry contacts (optional)

Technical Specifications

MODEL	E-1106B	E-1106 LBT	E-1110B	E-1110 LBT
Capacity	6 KVA / 5400 W		10 KVA / 9000 W	
INPUT				
Rated voltage	208 V / 220 V / 230 V / 240 Vac			
Voltage range	110 ~ 160 Vac (linear derating between 50% and 100% load); 160 ~ 280 Vac (no derating); 280 ~ 300 Vac (derating 50%)			
Rated frequency	50 / 60 Hz (auto-sense)			
Frequency range	40 ~ 70 Hz			
Power factor	≥ 0.99			
Total harmonic distortion (THDI)	≤ 5%			
Bypass voltage range	- 40% ~ + 15% (settable)			
OUTPUT				
Voltage	208 V / 220 V / 230 V / 240 Vac (settable)			
Voltage regulation	± 1%			
Frequency	45 ~ 55 Hz or 55 ~ 65 Hz (synchronized range); 50 / 60 Hz ± 0.1 Hz (battery mode)			
Waveform	Pure sine wave			
Crest factor	3:01			
Total harmonic distortion (THDV)	≤ 2% (linear load); ≤ 5% (non-linear load)			
Transfer time	Mains mode to battery mode: 0 ms; Inverter mode to bypass mode: 0 ms			
Inverter overload capability	102% ~ 125%: Transfer to bypass in 10 mins;			
	125% ~ 150%: Transfer to bypass in 1 min;			
	> 150%: Transfer to bypass in 0.5 s			
Bypass overload capability	102% ~ 125%: Shut down in 20 mins;			
	125% ~ 150%: Shut down in 2 mins; > 150%: Shut down in 1 s			

MODEL	E-1106B	E-1106 LBT	E-1110B	E-1110 LBT
BATTERIES				
DC voltage	192 VDC (168/180/192/204/216/228/240VDC optional)			
Inbuilt battery	16x7 Ah	/	16x 9 Ah	/
Recharge time	Standard model (S): 90% capacity restored in 4 hours; Long time model (H): depend on the capacity of battery			
SYSTEM				
EFFICIENCY	≥ 93%, ECO mode 98%			
Display	LCD+LED			
Alarms	Battery mode, battery voltage low, fans fault etc.			
Maximum Parallel numbers	6			
EMI	IEC/EN62040-2			
EMS	IEC 61000-4-2 (ESD)			
	IEC 61000-4-3 (RS)			
	IEC 61000-4-4 (EFT)			
	IEC 61000-4-5 (Surge)			
COMMUNICATIONS				
RS232 / USB / RS485 / dry contacts	Supports Windows 98 / 2000 / 2003 / XP / Vista / 2008 / 7 / 8 / 10			
SNMP	Power management from SNMP manager and web browser			
OTHERS				
Humidity	20 ~ 90% RH @ 0 ~ 40°C (non-condensing)			
Noise level	≤ 55 dB (1m)			
Dimensions (WxDxH) (mm)	191x462x710	191x462x350	191x462x710	191x462x350
Packaged dimensions (W*D*H) (mm)	308x640x896	267x573x436	308x640x896	267x573x436
Net weight (kg)	58.7	15.6	67.2	16.1
Gross weight (kg)	64.8	17.9	73.3	18.4

- * B stands for standard model, LBT stands long-run model.
- * Product specifications are subject to change without further notice
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