

Online UPS

6 - 10 kVA

TOWER

1:1 Phase
PF 0.9



LCD display



Relay card



SNMP card



Parallel card



Features

- N+X parallel redundancy
- Online double conversion with DSP control
- Input current harmonic: <3%
- High output power factor: 0.9 PF
- Wide input voltage range: 120 - 276 Vac
- Wide input frequency range (50 Hz: 45 - 55 Hz / 60 Hz: 54 - 66 Hz)
- Supports generator input
- Eco mode
- Self-testing at startup of UPS
- Optional: SNMP card / relay card / parallel card
- Supports cold start



Back



Rotating LCD



Optional battery pack

MODEL		EP-UPS6000Y110T	EP-UPS10000Y110T
Capacity (kVA / kW)		6 kVA / 5.4 kW	10 kVA / 9 kW
Phase		Single phase with ground	
INPUT			
Nominal voltage		220 / 230 / 240 Vac	
Operating voltage Range		120 - 276 Vac	
Operating frequency range		50 Hz: 45 - 55 Hz, 60 Hz: 54 - 66Hz (Auto sensing)	
Power factor		≥ 0.99	
Bypass voltage range		Max. voltage: 220 V: +25 % (optional +10 %, +15 %, +20 %) 230 V: +20 % (optional +10 %, +15 %) 240 V: +15 % (optional +10 %) Min. voltage: -45 % (optional -20 %, -30 %)	
ECO range		Same as bypass voltage range	
Harmonic distortion (THDi)		< 3 % (100 % linear load)	
Generator input		Supported	
OUTPUT			
Output voltage		220 / 230 / 240 Vac	
Power factor		0.9	
Voltage regulation		±1 %	
Frequency	Line mode (synchronized range)	±1 % / ±2 % / ±4 % / ±5 % / ±10 % of the rated frequency (optional)	
	Bat. mode	50 / 60 Hz ±1 Hz	
Crest factor		3:1	
Harmonic distortion (THDv)		≤ 2 % THD (linear load) ≤ 5 % THD (non-linear load)	
Efficiency		> 93.5 %	
Waveform		Pure sinewave	
Transfer time		Utility to battery: 0 ms; Utility to bypass: 0 ms	
BATTERY			
Battery type		12 V, 9 Ah	
Number of batteries		16	16
Typical recharge time		4 hours charge to 90 % capacity	
Charging voltage		27.4 Vdc ±1 %	54.7 Vdc ±1 %
Charging current (max)		1 A or 2 A	
SYSTEM FEATURES			
Overload	Line mode	Load ≤ 110 %: Last 60 min, ≤ 125 %: Last 10 min, ≤ 150 %: Last 1 min, > 150 %: Switch to bypass mode immediately	
	Bypass mode	40 A (Breaker)	63 A (Breaker)
Short circuit		Hold whole system	
Overheat		Line mode: Switch to bypass: Backup mode: Shut down UPS immediately	
Battery low		Alarm and switch off	
Self-diagnostics		Upon power on & software control	
Battery		Advanced battery management	
Audible & visual alarms		Line failure, battery under voltage, overload, system fault	
LED & LCD display		Line mode, bat. mode, eco mode, bypass mode, battery undervoltage, overload & UPS fault	
LCD display		Input voltage, input frequency, output voltage, output frequency, load percentage, battery voltage, inner temperature & remaining battery backup time	
MANAGEMENT			
Communication ports		RS232, USB, SNMP card (optional), parallel card (optional), relay card (optional)	
OPERATING ENVIRONMENT			
Operating temperature		0 - 40 °C	
Storage temperature		-25 °C - 55 °C	
Humidity range		0 - 95 % (Non-condensing)	
Recommended altitude		< 1500 m	
Noise level		< 55 dB	
STANDARDS			
Safety		IEC/EN62040-1, IEC/EN60950-1	
EMC		IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8	
PHYSICAL FEATURES			
Dimensions (W * D * H) mm		502 * 250 * 616	481 * 220 * 438
Approx. net weight (kg)		62	64