

ONLINE UPS

1,000 - 3,000 VA 1:1 Phase PF 0.9

RACK MOUNTABLE



- Online double conversion
- Built in 9Ah batteries
- Wide input voltage range (110 - 300 Vac)
- Rack mount brackets and tower stand included in package
- Generator compatible
- Output power factor: 0.9
- Emergency power off function (EPO)

ECO mode support

Communication ports: USB/RS232

Smart battery charging design for optimized battery performance

2 year warranty (1 year on batteries)



OPTIONAL PARTS FOR EVI 1-3kVA RACK MOUNT:

SNMP card	EP-UPSUACASN
Rack mount (bracket)	Included in package
Rack mount (sliding rail kit)	EP-RAILKIT3KVART

MODEL		EP-UPS1000UC130R	EP-UPS2000UC130R	EP-UPS3000UC130R
Capacity (VA / Watts)		1,000 VA / 900 W	2,000 VA / 1,800 W	3,000 VA / 2,700 W
Phase		Single phase with ground		
INPUT				
	Nominal Voltage	200 / 208 / 220 / 230 / 240 Vac		
Operating Voltage Range	Low voltage of transferring to bypass	160 Vac ± 5 % @ 100 % - 80 % load, 120 Vac ± 5 % @ 70 % - 60 % load, 110 Vac ± 5 % @ 60 % - 50 % load (Ambient temp. < 35 °C)		
	Low threshold voltage of recovering from bypass	175 Vac ± 5 % @ 100 % - 80 % load, 135 Vac ± 5 % @ 70 % - 60 % load, 125 Vac ± 5 % @ 60 % - 50 % load (Ambient temp. < 35 °C)		
	High voltage of transferring to bypass	300 Vac ± 5 %		
	High threshold voltage of recovering from bypass	290 Vac ± 5 %		
Input Voltage Range		55 - 150 Vac or 110 - 300 Vac @ 60 % load, 80 - 145 Vac or 160 - 300 Vac @ 100 % load		
Operating frequency range		40 - 70 Hz		
Power Factor		0.99		
Generator input		Supported		
OUTPUT				
Output Voltage		208 / 220 / 230 / 240 Vac		
Power Factor		0.9		
Voltage regulation		± 1 %		
Frequency	Line mode	46 - 54 Hz or 56 - 64 Hz		
	Bat. mode	50 / 60 Hz ±1 Hz		
Crest Factor		3:1		
Harmonic Distortion (THDv)		≤ 2 % THD (Linear load)		
		≤ 4 % THD (Non-linear load)		
Waveform		Pure Sinewave		
Transfer time	AC mode <-> batt. mode	Zero		
	Inverter <-> bypass	4 ms (Typical)		
EFFICIENCY				
AC Mode		89 %	91 %	92 %
Battery mode		85 %	87 %	88 %
BATTERY				
Battery type		12 V, 9 Ah		
Number of batteries		2	4	6
Typical recharge time		4 hours charge to 90 % capacity		
Charging voltage		27.4 Vdc ± 1 %	54.8 Vdc ± 1 %	82.2 Vdc ± 1 %
Charging current (max)		Automatic, system adjustable		
SYSTEM FEATURES				
AC mode	Ambient temp. < 35 °C	105 % - 110 %: UPS will transfer to bypass mode within 10 min of return of utility power 110 % - 130 %: UPS will transfer to bypass mode within 1 min of return of utility power 130 % - 150 %: UPS will transfer to bypass mode within 5 sec of return of utility power > 150 %: UPS will transfer to bypass mode immediately upon return of utility power		
Battery mode	35 °C < ambient temp. < 40 °C	105 % - 110 %: UPS will transfer to bypass mode within 1 min of return of utility power 110 % - 130 %: UPS will transfer to bypass mode within 5 sec of return of utility power > 130 %: UPS will transfer to bypass mode immediately upon return of utility power		
Short circuit		Hold whole system		
Overheat		Line mode: Switch to bypass. Backup mode: UPS will shut down immediately		
Battery low		Alarm, then turn off		
EPO (optional)		Shut down UPS immediately		
Audible & visual alarms		Line failure, battery low, over load, system fault		
MANAGEMENT				
Communication ports		USB, RS232, SNMP card (optional)		
OPERATING ENVIRONMENT				
Operating temperature		0 - 40 °C		
Storage temperature		-25 °C - 55 °C		
Humidity range		20 - 90 % RH @ 0 - 40 °C (Non-condensing)		
Recommended altitude		< 1500 m		
Noise level		Less than 50 dBA at 1 m		
PHYSICAL FEATURES				
Dimensions (W * D * H) mm		440 * 325 * 86.5	440 * 460 * 86.5	440 * 600 * 86.5
Approx. net weight (kg)		11.3 kg	19.1 kg	26.2 kg