

# POWERCOM UPS



## IND Series

### Features

- AVR input voltage Range 140V- 300V
- Battery charging in UPS off mode
- Indian output sockets
- Data Line Protection RJ11 and RJ45
- Generator Compatibility
- Line interactive design
- Boost and buck AVR (Auto voltage regulation)
- Fully digitized microprocessor controlled
- Energy saving function (UPS green mode)
- 50/60Hz frequency auto sensing and selection
- Cold start function (DC power on)
- Lightning and surge protection
- Short circuit and overload protection
- Advanced battery management (ABM technology)
- Tel/Modem internet surge suppression
- Automatically charging when UPS off

Model	IND601A	IND1000AP	IND2200AP
Capacity	1 PC load	1000VA / 600W	2200VA / 1320W
Input	Voltage Frequency Range AVR Generator Compatible Connection	230V 40-65Hz 140-300V Yes 3 pin 10A, Indian plug, 1.5m wire	230V 45-65Hz 170-275V Yes 3 core 1.5m wire
Output	Voltage on mains Frequency on mains Voltage on Battery Frequency on Battery Waveform Power Factor Lagging Efficiency Sockets Bypass	230V ± 10% Follows input 230V ± 5% 50 Hz ± 0.5% Quasi sinewave 0.6 > 87% 2 x 5 pin Nil	230V ± 5% Follows input 230V ± 5% 50 Hz ± 0.5% Quasi sinewave 0.6 > 87% 3 x 5 pin Indian Yes 6 IEC
Protection	Input Protection O/P short circuit O/P overload shutdown Spike	cct breaker 3A UPS cutoff immediately 110% for 3 min, 150% for 3 Sec 320j, 2ms	Fuse 10A cct breaker
Transfer Time	Mains to Inverter DC Bus	4 - 8 ms 12V	48V
Battery	Internal Battery External Battery Protection Typical Recharging time Backup Time (a pc with 15" monitor)	7.2AH, SMF, 3-6 years typical lifetime Nil Auto discharge protection appx. 10-15 min	48V Auto discharge protection, battery replace indicator appx. 80-90 min.
Indications	Power ON Inverter ON	LED steady LED blink	
Alarm	Battery backup Battery Low Overload 10base T port	Slow beeping sound (about 0.47Hz) Rapid beeping sound (about 1.8 Hz) Continuos beeping sound Optional	Rj11 & Rj45 communication port
Interface	RS-232	Optional	Included
Shutdown SW	UPSMON	Optional	Included
Environment	Ambient operation Audible noise Storage Condition	0-40°C, 0-95% humidity non condensing, 3500 meter max. < 40 DbA (1 meter from surface) 15,000 meter max. Elevation	
Physical	Weight Dimension - WxDxH (mm)	6.6 Kgs. 59 x 320 x 135	14.8 Kgs. 170 x 450 x 225