

TAIWAN POWERBANK UPS

Features:

- Pure Sine-Wave Double Conversion On-line UPS
- Multiple Microprocessor Control
- LCD Control Panel
- Unity Input Power Factor
- Wide Input Voltage Range
- Presetable Parameters
- DC Start Function
- Automatic Self-Test Function
- Smart RS-232 Communication Interface
- SNMP Adapter Slot (Optional)
- Highly Efficient Design to Save More Energy
- Low Heat Dissipation for Long Time Operation
- Ensures Total Reliability to Work Under The Worst Operating Conditions
- Maximized Protection Against Lighting, Surges, Disturbances, Blackouts, etc
- Parallel Feature Included for up to 4 Units



POWERBANK ONLINE PO-SERIES UPS

The Powerbank PO-Series is a technically advanced On-Line UPS with outstanding performance and reliability that can provide all the power protection for your computer systems. The PO-Series has an incredible wide input range from 118V to 300V which can minimize battery usage and prolongs battery utilization and life. Therefore, the input current is purely sine wave and the input power factor can be over 95% without any interference to the unit since it is specially designed for the harshest environments. The PO-Series UPS designed with the latest and most innovative technologies like IGBT & SNMP communication ports is the UPS that can satisfy all the users demand for a potent power supply.

SNMP

As optional feature the PO-Series UPS communication port can be upgraded with SNMP intelligent slot to satisfy the user's needs. This new feature represents an advanced solution to achieve direct power management via internet worldwide.

Microprocessor Control

The PO-Series UPS combined with its Microprocessor Control provides total efficiency as well as accuracy and reliability in each unit.

DC-START Function

The PO-Series UPS with a practical DC-Start function allows the UPS to start-up during power outages.

IGBT

The PO-Series UPS built with the newest invention and industrial grade quality IGBT, characterized with excellent ruggedness and tolerance of overloads, can respond quickly to load changes and still ensuring the highest efficiency to operate perfectly under any condition.

LCD Display

The PO-Series, combined with our easy to use monitoring LCD Display, allows users to monitor, control, and collect all the information from the UPS that will be conveniently displayed on.

Tower & Rack Mount Designs

The PO-Series UPS are available in the conventional Tower type and also in Rack Mount type. Both units types has the possibilities to add battery banks turning into Long Time Backup Type.

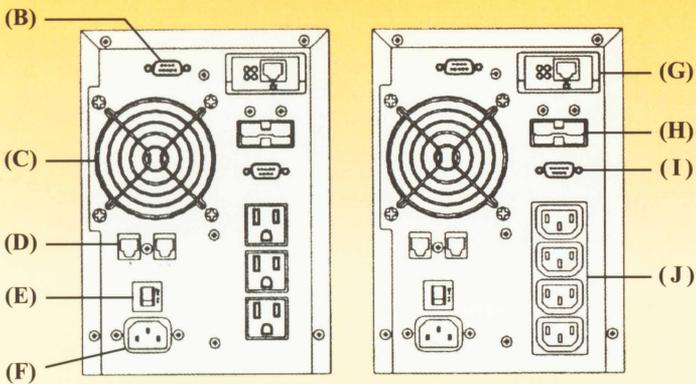


Long Time Backup

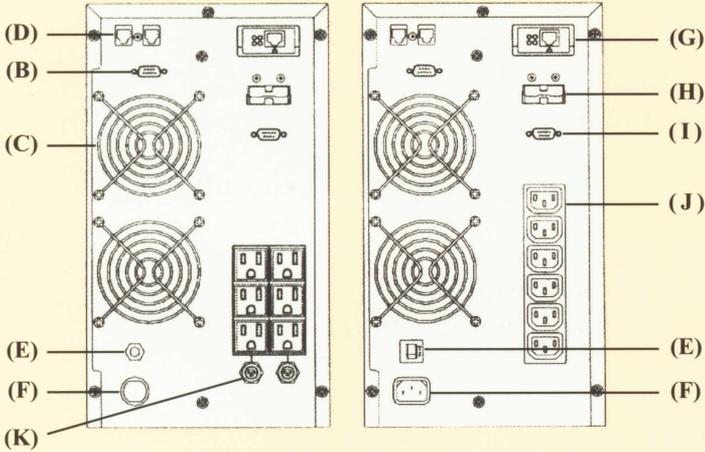
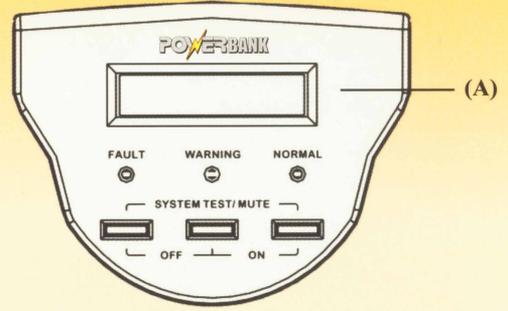
The PO-Series UPS with chargers allows to add external batteries and battery banks in order to extend the backup time.

Parallel Function

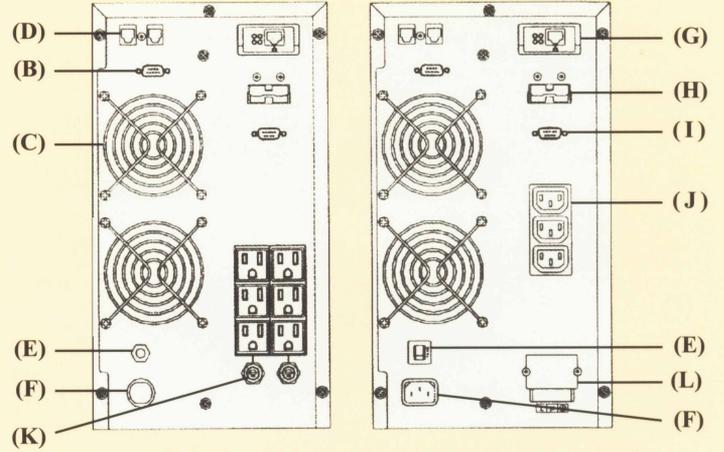
The PO-Series allows the UPS to connect up to 4 units. Users can build 12 KVA, 18KVA or 24KVA with PO-6KVA units or 20KVA, 30KVA and 40KVA with PO-10KVA units.



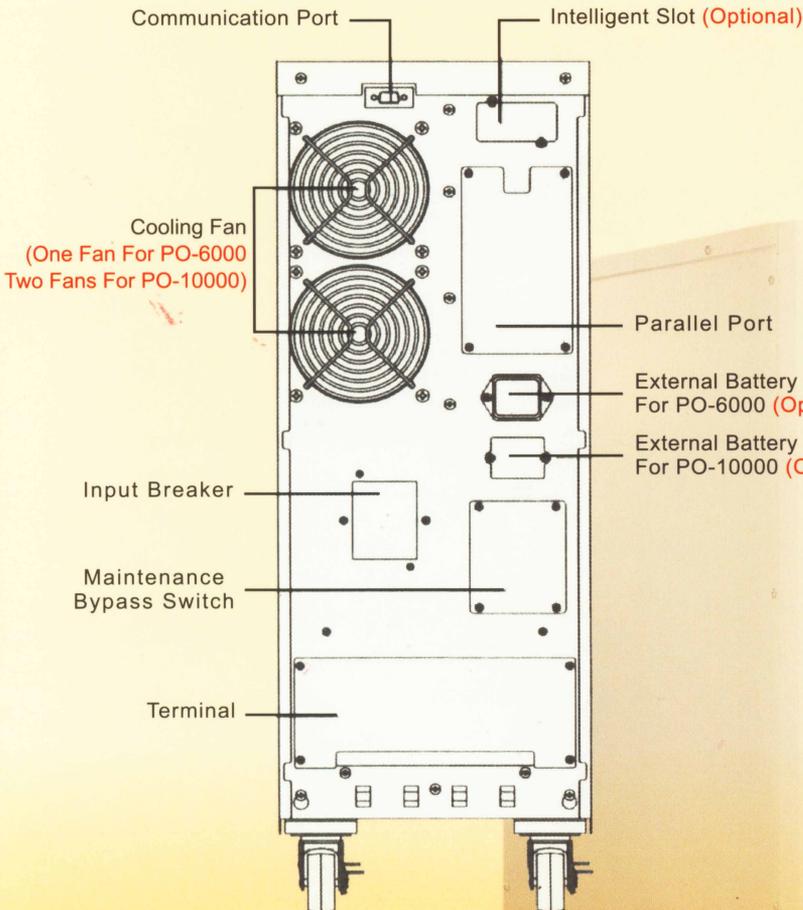
BACK VIEW OF PO-1000
(NEMA) (IEC)



BACK VIEW OF PO-2000
(NEMA) (IEC)



BACK VIEW OF PO-3000
(NEMA) (IEC)



BACK VIEW
PO-6000 / PO-10000

- (A) PO1000~PO10000 LCD Control Panel
- (B) Communication Port
- (C) Cooling Fan
- (D) Network / Fax / Modem Surge Protection
- (E) Breaker
- (F) Input
- (G) Intelligent Slot (SNMP Optional)
- (H) External Battery Socket
- (I) Remote Control
- (J) Output Socket
- (K) Output Fuse
- (L) Terminal

Powerbank On-line PO Series

Model (LCD Series)		PO-1000	PO-2000	PO-3000	PO-6000	PO-10000			
		PO-1000R	PO-2000R	PO-3000R					
Input	Capacity	1KVA/700W	2KVA/1.4KW	3KVA/2.1KW	6KVA/4.2KW	10KVA/7KW			
	Nominal Voltage	115Vac/220Vac							
	Voltage Range	80~143Vac/160-300Vac (70% to 100% Load), 70~143Vac/140-300Vac (50% to 70% Load), 60~143Vac/118~300Vac (0% to 50% Load)			176~266Vac+/-3%				
	Frequency	50Hz or 60Hz +/- 8%							
	Power Factor	> 0.95	> 0.97		≥ 0.98				
Output	Voltage	115Vac/220Vac +/- 2% (115V/230V or 120V/240V Re-settable Via LCD Panel)			220/230/240Vac+/- 1%				
	Frequency	Synchronized (Line Mode), 50Hz or 60Hz +/- 0.5% (Battery Mode)							
	Wave-form	True Sine Wave							
	Harmonic Distortion	< 3% THD (Linear Load)	< 4% THD (Full Linear Load)		≤ 2% THD (Linear Load) ≤ 6% THD (Non-Linear Load)				
	Capacity	105% - 150% For 30 sec., > 150% For 200 ms							
	Crest Ratio	3 : 1							
Battery	Type	Maintenance Free Sealed Lead-Acid Battery							
	Capacity	12V / 7.2Ah * 3 pcs	12V / 7.2Ah * 8 pcs		12V / 7.2Ah * 20 pcs	12V / 9Ah *20pcs			
	Built-In Charger	1A							
	Charger (Option)	Built-in 8A Charger	Built-in 9.6A Charger		Built-in 4.6A Charger				
	Recharger Time	5 hrs to 90% of Full Capacity After Full Load Discharge			7-8 hrs to 90% of Full Capacity After Full Load Discharge				
Bypass	Automatic	Overload and UPS Failure							
	By setting	Voltage Range : 176V~256V +/- 20% (Re-settable Via LCD Panel)							
	Transfer Time	0 ms (2.5ms Inverter to Bypass)							
Display	LCD	UPS Status, I/P & O/P Voltage & Frequency, Load %, Battery Voltage & %, Temperature, Model Spec., Event Log							
Audible Alarm	Battery Mode	Beeping Every 4 Seconds (Re-settable) and Per Second When Battery Low							
	Overload	Beeping Twice Per Second							
	Fault	Beep Continuously							
Output	Socket	Tower	NEMA 5-15R x 3pcs or (IEC320 x 4pcs)		NEMA 5-15R x 3pcs or IEC320 x 3pcs + Terminal Block		Terminal Block		
		Rack (2U)	NEMA 5-15R x 4pcs or (IEC320 x 4pcs)		NEMA 5-15R x 2pcs or IEC320 x 2pcs + Terminal Block		NO		
Interface	RS-232 Interface	UPSmart for Windows (95, NT4.0, 98SE, ME, 2K, XP, Server2003) ; Linux (Redhat7.0~7.3 & Mandrake8.2) ; Novell (4.X & 5.1)							
	SNMP Intelligent Slot	Power Management for SNMP Manager and Web Browser							
Network	Surge Protection	RJ45 I/O Port Available for 10 Base-T Network or Fax / Modem							
Environment	Temperature	0-40 degree C ; 32-104 degree F							
	Humidity	0-95% Non-condensing			20-90% Non-condensing				
	Acoustic Noise	Less than 45dBA (at 1M)	Less than 50dBA (at 1 M)		Less than 55dBA (at 1M)				
Net Weight	w/o battery	6.5kgs	8.0kgs	13.5kgs	9.5kgs	14.5kgs	10.5kgs	35kgs	38kgs
	w/ battery	15kgs	15.5kgs	34kgs	N/A	35kgs	N/A	90kgs	93kgs
Dimension (WxHxD)mm	Tower Case	160 x 220 x 440		200 x 352 x 450			260 x 717 x 595		
	Rack Case (2U)	440 x 88 x 465					NO		

- * Tower Series : PO-1000 / PO-2000 / PO-3000 / PO-6000 / PO-10000
- * Tower Series with Charger : PO-1000L / PO-2000L / PO-3000L / PO-6000L / PO-10000L
- * Rack Series : PO-1000R / PO-2000R / PO-3000R
- * Rack Series with Charger : PO-1000RL / PO-2000RL / PO-3000RL
- * PO-Rack Battery Bank (2U) is Available for 8pcs (1 set) 12V/7.2Ah or 9pcs (3 sets) Batteries
- * Specifications are Subject to Change without Prior Notice



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