

Global Leader in Power Protection • Top 2 UPS Manufacturer in The World

POWERCOM

UPS & Power Management Software

E-mail: service@upspowercom.com.tw

<http://www.pcmups.com.tw>

E-mail: market@upspowercom.com.tw



Complete Power Solution™

● Who Is Powercom?

Since 1987, Powercom has been a worldwide provider of power protection products. Powercom designs, manufactures, markets and services UPS systems for business and industry, from PCs to minicomputers, LANs, WANs, cash register/POS systems, office telephone equipment and global communication networks. Powercom is formally public listed in the Taiwan Stock Exchange (TSE) on the 28th of August 2002.



As an ISO 9001 certified company, Powercom's UPS products range from the low-cost stand-by series to true on-line series. Compact design, easy installation and extended run times are incorporated into the design of all Powercom products.

It is expected that Powercom will endeavor to develop high-rating UPS as well as surge-protection products.

Powercom's UPSMON intelligent software allows network managers using powercom's on-line and line-interactive UPSs to monitor the battery, power load, AC voltage and other conditions from color monitor screen. The software displays bar and meter graphs with different colors including the status of the system the UPS is monitoring.

As an international firm, with over 1200 employees in offices and factories around the globe, Powercom is keenly expanding to provide its customers with better & better complete power solution worldwide. Investing twice as much as our competitors into research and development provides a steady stream of innovative new products.

Powercom has been serving many global corporations for many years. Powercom knows how to work with clients by experience. From previewing the prospective product to offering an approach to product line, each developing process is carefully followed and every product has to pass sophisticated engineering and reliability tests to meet client's standard. Powercom, an ISO 9001 quality certified manufacturer with an over 17-year solid record, welcomes inquires of distributing Powercom products as well as building OEM/ODM business partnership together all over the world.

Whatever your requirement is, you'll find that Powercom is the complete power solution.

Company Facts

Headquarters 8F, No. 246, Lien Chen Road, Chung Ho City, Taipei Hsien, Taiwan, R.O.C.

Established since April, 1987

Employee over 1000 persons totally

Capital US\$25,552,000

Turn over 1997 US\$41,000,000

1998 US\$55,000,000

1999 US\$60,000,000

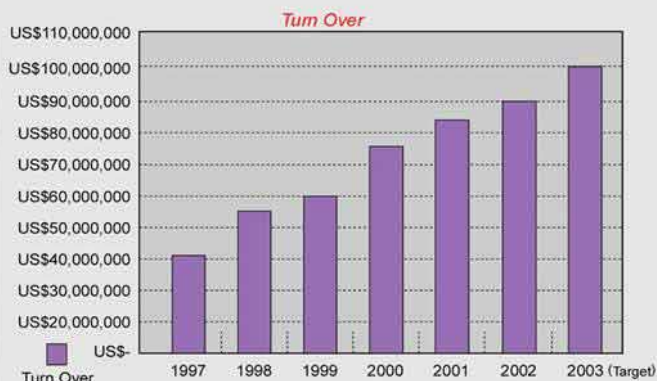
2000 US\$76,000,000

2001 US\$84,000,000

2002 US\$90,000,000

2003 US\$100,000,000

2004 US\$120,000,000 (Target)



Production capacity over 150,000 sets per month (excluding software)

Bank reference CHANG HWA COMMERCIAL BANK LTD., CHUNG HO BRANCH
A/C:5647-03-13359-5-00



• Research & Development

At Powercom, more than 50 innovative researchers are dedicated to discovering and pumping out innovations in power protection.



• Powercom Manufacturing

Powercom continues to expand its capacity, improving on UPS industry's most efficient manufacturing operations. To maximize quality and productivity is Powercom's goal for 21st Century.



• Powercom Quality Control

To assure the quality of the final product, the production line integrates checking procedures, such as, error-detection, correction, and burn-in testing. Advanced testing equipment with integrated assembly systems achieve through ISO-9001 quality control.

Top 2 ups manufacturer in the world

● Product Introduction

SELECT THE POWERCOM SURGE PROTECTOR UPS TO FIT YOUR APPLICATION

Surge Protector

Notebook Pro
Desktop Pro
StripPro

WOW UPS

E-BOOK
COMPACT
300~1200VA

DC UPS

9V~48V

HOME UPS BLACK KNIGHT

400~2000VA

KING ART

KING PRO
KING CS
325~3000VA

Computer Peripherals

PC、Workstation

Small Scale Telcommunication Equipment

Information Apppliance

Facsimile、Office Equipment

Point of Sale(POS)

Security System



Safety Lab



Suitable for UL1778,
UL1449, UL1363
and UL 498



● Product Introduction

SELECT THE POWERCOM SURGE PROTECTOR UPS TO FIT YOUR APPLICATION

SMART KING LED/LCD OUTDOOR UPS CABLE TV UPS 500~5000VA	VANGUARD LCD ULTIMATE LED/LCD INVERTER LCD 700~20K VA	SPC 1210S/1210M INVCHA-LOW 1700W	TAP CHANGE AVR HI-AVR LCD HI-AVR 33 Series 1200~100K VA	ONL-LED/LCD ONL 33 Series 2K~100K VA
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Servers

Local Area Network(LAN)

Telcommunication Equipment

Important Appliance

Data Center

Telcommunication Center

Precision Apparatus

C A D / C A M

Hospital

Military Facility

Top 2 ups manufacturer in the world

● Product Introduction



ISO 9001

...which complies with the requirements of BS EN ISO 9001:2000

...and servicing of UPS and AVR.

Latest issue: 10 Dec 2002

Page: 1 of 2

Powercom's quality system is our commitment to ensure our customers obtain the highest price/performance, thus reduce the Total Cost of Ownership on our UPS.

By getting approved through ISO-9001 standard, in 1996 Powercom has adopted the industry's most rigid quality control system.

Our QA staffs are fully trained to perform each of the task within our production process, from IQC (In Process Quality Control), and finally the OQA (Out-going Quality Assurance).

.NETpower SNMP/WEB CARD/BOX

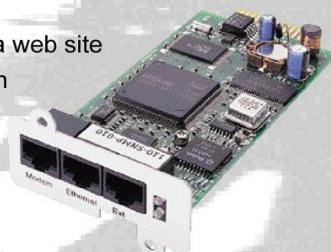
The .NETpower card/box provides you with a very advanced yet easy-to-use network management function. It supports both SNMP and HTTP.



SNMP (Simple Network Management Protocol) is used widely in network management field. With the support for SNMP, the .NETpower turns the UPS into an industrial standard network management device. You can use an SNMP NMS (such as HP OpenView, IBM NetView...) to manage your UPS over LAN or Internet.

Moreover, the .NETpower card will create a web site for your UPS. You can view the information of the UPS and control the UPS remotely as easily as surfing on a web site.

In addition to the network management function, it will notify you when an event occurs, and even shut down multiple systems on the LAN.



.NETpower Card (internal model)
Model No : NPC-100



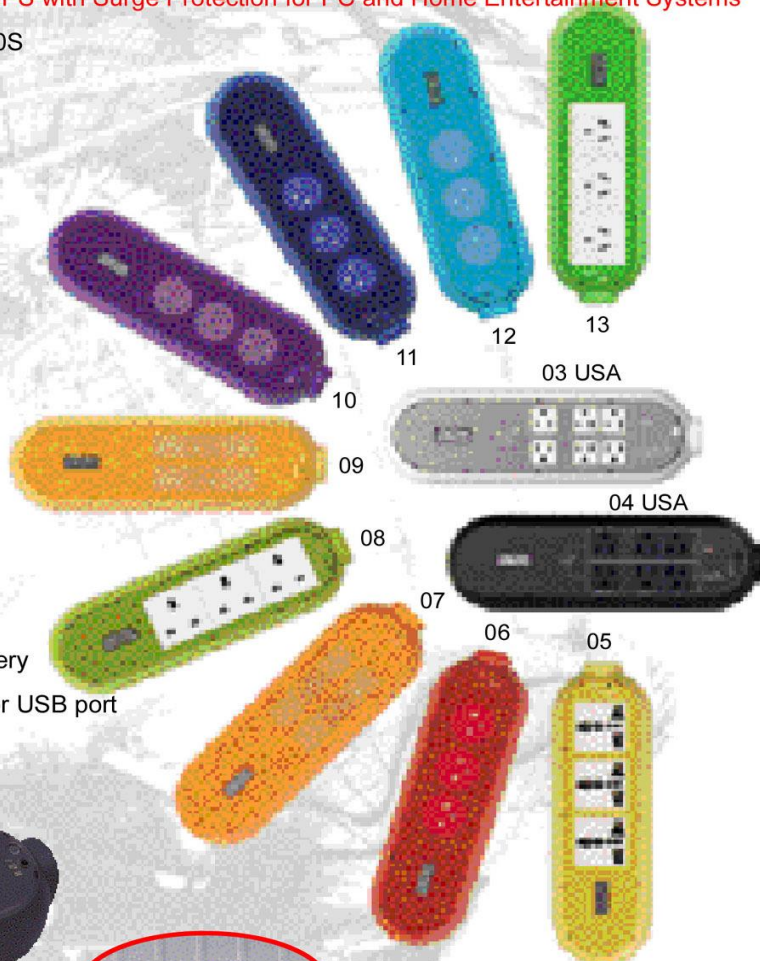
.NETpower Box (external model)
Model No : NPB-200

● Product Introduction

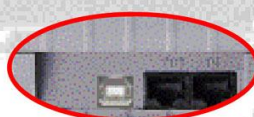
WOW UPS The Most Cool and Cute UPS with Surge Protection for PC and Home Entertainment Systems

WOW-300/300S/500/500S/700S/850S/1000S

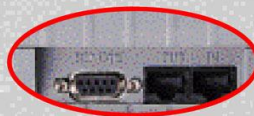
- Fully digitized microprocessor controlled
- Energy saving (UPS sleep mode)
- Smart communication port
- Tel/Modem/Network surge suppression
- 50/60HZ frequency auto sensing
- AC line ok ("Power" LED always on)
- Back up mode ("Power" LED slow flash)
- Replace battery ("Power" LED fast flash)
- Short circuit and overload protection
- Advanced battery management(ABM)
- Automatic diagnostics & battery check
- Bypass output filter for critical load
- User friendly design for hot swapping battery
- Option of communication port of RS-232 or USB port
- EMI/RFI noise filter



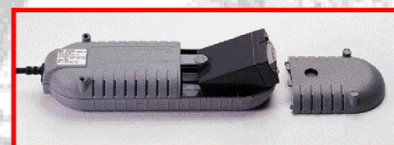
WOW-300/300S



USB



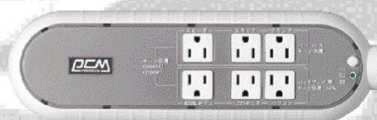
RS232



EASY TO REPLACE BATTERY BY END USERS



Wall-mounted function available (500/700/850/1000VA only)



WOW-500/500S/700S
(6 surge outlets / 3 UPS outlets)



WOW-850/1000S
(8 surge outlets / 4 UPS outlets)

Top 2 UPS Manufacturer in The World

● Product Introduction

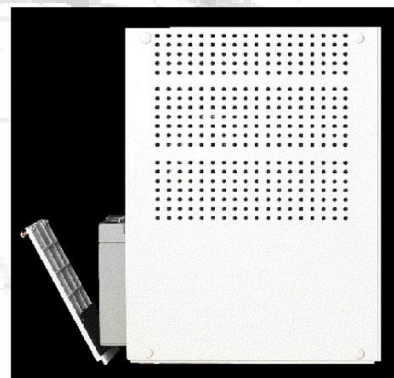
E-BOOK

The Most Compact UPS with Surge Protection for PC and Home Entertainment Systems

Tower Model : EBK-350/500

EBK-350S/500S/650S/800S

- Elegant outlook and state of the art design that compatible with Personal Computer and home entertainment system (i.e. PS/2).
- Horizontal and vertical positioning capability allows you to place anywhere you like where power source is needed.
- UPS and surge protector for both PC and home entertainment systems.
- Keep your home gaming system running when encountered power failure.
- Make sure all your data is securely stored.
- Available with Elegant Black and Beige White.



EASY TO REPLACE BATTERY
BY END USERS



EBK-350/500
EBK-350S/500S
(Horizontal Type)



EBK-650S/800S
(Vertical Type)



1. Place on The Top of PC for Space Saving
2. Vertical Position
By Adding the L-Kit to The Left or Right End of UPS Enables Vertical Position.
3. UPSMON *plus*
Power Management Software

● Product Introduction

COMPACT

High Performance Power Protection for Workstations, PCs & Small Electronic Equipment

Tower Model : 500/S, 650S, 800/S, 850/S, 1000/S, 1200/S

- Fully digitized microprocessor controlled
- Energy saving (UPS sleep mode)
- Smart communication port *
- Tel/Internet/Network surge protection *
- 50/60Hz frequency auto sensing
- Cold start (DC power on)
- Line ok (Green LED always on)
Backup mode (Yellow LED flash)
Battery check (Red LED)
- Buzzer can be muted by pressing "SW ON/OFF" button *
- Short circuit and overload protection
- Single PCB with reliable design
- Advanced battery management (ABM)
- Automatic diagnostics & battery check
- EMI/RFI noise filter

* Feature Available on S Series Models



COM-500/650/850/800/1000/1200(S)

KING CS

Complete Protection for Internet Computers and Advanced Servers

KIN-425/525/625/825CS

- Line interactive design
- 6 surge outlets and 3 UPS outlets
- Boost and buck AVR
- Fully digitized microprocessor controlled
- Smart RS-232 or USB communication port
- Back up, on-line, battery status LEDs display
- Lightning and surge protection
- Short circuit and overload protection
- 50/60Hz frequency auto sensing
- Tel/modem internet spike protection
- Smart power management with software
- Advanced battery management (ABM)
- Energy saving (UPS sleep mode)
- Cold start (DC power on)



KIN-425/525/625/825CS

Top 2 UPS Manufacturer in The World

● Product Introduction

BLACK KNIGHT (PRO) Quality Protection for Small Servers, and Workstations & PCs

Tower Model : BNT-400A, 500A, 600A, 800A,

BNT-400AP, 500AP, 600AP, 800AP, 1000AP, 1200AP, 1500AP, 2000AP

- 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
 - Advanced battery management (ABM technology)
 - Cold start function (DC power on)
 - Lightning and surge protection
 - Short circuit and overload protection
 - Smart RS-232 communication port
 - Tel/Modem internet surge suppression
 - Automatically charging when UPS off
 - History record of power failure events *
 - Schedule shutdown & reboot *
 - EMI/RFI noise filter *
 - Back up, on-line, battery status,
power status display by software *
- * Feature on BNT-xxxAP models only



BNT-400/500/600/800A/AP



BNT-1000/1200/1500/2000AP

● Product Introduction

KING

Complete Protection for Internet Computers and Advanced Servers

Tower Model : KIN-325A-ART, 425A(P)-ART, 525A(P)-ART, 625A(P)-ART

- Line interactive design
- Fully digitized microprocessor controlled
- Smart RS-232 communication port *
- Tel/modem internet surge suppression *
- Auto Voltage regulation (boost and buck AVR)
- Line, inverter, battery status LED
- Lightning and surge protection
- Short circuit and overload protection
- 50/60Hz frequency auto sensing
- EMI/RFI noise filter
- Cold start (DC power on)
- Advanced battery management (ABM)
- Energy saving (UPS sleep mode)
- Automatically charging when UPS off
- History record of power failure events *
- Schedule shutdown & reboot *
- Back up, on-line, battery status, power status display by software *

* Feature Available for KIN-xxxAP Only



08(312C)



KIN-325A/425/525/625A(P)



KIN-325A/425/525/625A(P)-ART

KING PRO AL/XL

UPS with Continuous Rated Capacity for Continuous Backup

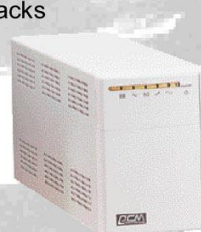
Main Unit Excludes Internal Batteries for AL Series

Main Unit Includes Internal Batteries for XL Series

Extended run time model : KAL-1000/2000/3000AP / KXL-1000/2000/3000AP

- Extend backup time by adding ext. battery packs
- Backup time depends on quantities of connected ext. battery packs
- Fully digitized microprocessor controlled
- Smart RS-232 communication port
- Boost/buck, on-line, battery status LED display
- Advanced battery management (ABM)
- Energy saving (UPS sleep mode)
- Short circuit and overload protection
- Smart power management with software
- Lightning and surge protection
- 50/60Hz frequency auto sensing
- Cold start (DC power on)
- Built in fast charger
- Line interactive design
- Boost and buck AVR
- Site wiring fault warning *
- Hot swappable battery by users
- Tel/modem internet spike protection

* feature only for 100V/110V/115V models.



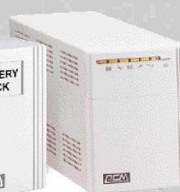
KXL-1000AP



KXL-2000/3000AP



For KAL-1000AP
Battery Pack



KAL-1000AP
2A Charger



KAL-2000/3000AP
1A Charger



For KAL-2000/3000AP
Battery Pack

Top 2 UPS Manufacturer in The World

● Product Introduction

KING PRO Line Interactive Network UPS

Tower model : KIN-425/525/625/800/1K/1.2K/1.5K/2.2K/3KAP

19" Rack Mount Model : KIN-600/1000/1200/1500/2200/3000AP RM

Slim model (45mm height) : KSL-500AP

- Energy saving function (UPS green mode)
- Advanced Battery Management (ABM)
- *Hot swappable battery by users **
- *Bypass output filter for critical load **
- *Extended back up time capability **
- *Boost/buck LED display **
- Automatically charging in UPS off mode **
- Smart RS232 communication **
- 50/60Hz frequency auto sensing
- Line interactive design
- Boost and buck AVR
- Microprocessor controlled
- Tel/modem/internet protection
- DC power on (cold start)

* Features Available on 800VA and Up Models

** Not Available on 600VA Rackmount



KIN-600AP-RM (1U)
KIN-1000AP-RM (1U)



KIN-1200AP-RM (2U)
KIN-1500AP-RM (2U)



KIN-2200AP-RM (3U)
KIN-3000AP-RM (3U)



KSL-500AP



KIN-425/525/625AP



KIN-800/1000/1200/1500AP



KIN-2200/3000AP

● Product Introduction

HOME UPS

The Best Selling Home UPS in The World

Tower Model : HOM-400A

Slim Model : HOM-600/1000A

Main Features

- Designed for home/office electronic appliances such as PC, TV, Stereo system, Fax machine, Table lamp, Electrical fan...etc.
- Extended back up time with extra smart battery pack
- Fully digitized microprocessor controlled with line-interactive design
- Wide input voltage range with automatic voltage regulator (A.V.R.)
- Short circuit and overload protection
- Single PCB with reliable design
- 50/60Hz frequency auto sensing and auto selection
- Up-front LED showing line input, load and battery status
- Cold start without AC input to operate attached equipment during the power outage
- Advanced battery management extends battery life and speeds recharging time
- Fully automatic, no complicated operations needed
- Surge protection

HOM-600A



HOM-1000A



Hours Listed in The () Indicate The Approximate Discharge Time for Using Min Unit with Single Device Only.

Home UPS with Smart Battery Pack

Main Features

- Build-in 4 hr. speed charger
- Stack-up design for easy organization

Smart Battery Pack Type

1. Battery I : DC 12V
2. Battery II : DC 24V
3. Battery III : DC 36V
4. Battery IV : DC 48V



HOM-400A

Top 2 UPS Manufacturer in The World

● Product Introduction

INVCHA-LOW

The Low Frequency Inverter with Fast Charger

ICL-1700W

- Fully digitized microprocessor controlled
- Back up, on-line, battery status, power status display by software
- Smart RS-232 communication port
- On-line, battery status LED
- Short circuit and overload protection
- 50/60Hz frequency auto sensing
- Cold start (DC power on)
- Advanced battery management (ABM)
- History record of power failure events
- Schedule shutdown & reboot
- Up to 70A charging current
- Charging current can be adjusted by selector



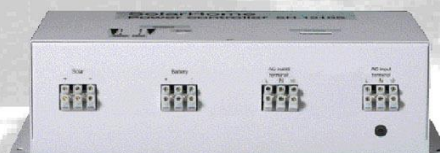
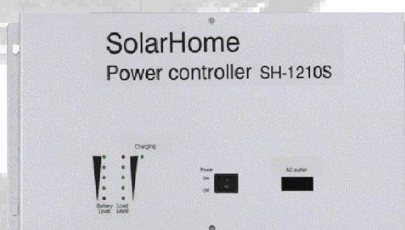
ICL-1700W

SOLAR POWER CONTROLLER

The Best Solar Inverter UPS

SPC-1210S/1020M

- Solar power sourced uninterruptible power supply
- AC/DC(Solar cell) input
- Line interactive design
- Fully digitized microprocessor controlled
- Auto voltage regulation (boost and buck AVR)
- Surge protection and overload protection
- Advanced battery management
- 50/60Hz frequency auto sensing
- EMI/RFI noise filter
- Cold start (DC power on)
- Energy saving (UPS sleep mode)
- Lightning and surge protection
- Automatically charging when UPS off
- Charging, Overload, Short circuit, battery level status LED



SPC-1210S/1020M

● Product Introduction

OUTDOOR UPS

Pure Sine Wave Output for Any Critical Load

ODR-250/350/600/1000A

- Suitable for outdoor weather environment ($-30^{\circ}\text{C} \sim +60^{\circ}\text{C}$)
- I/P : 115V or 230V, O/P : 115V or 230V
- Line interactive design
- Boost and buck AVR
- Fully digitized microprocessor controlled
- Short circuit and overload protection
- 50/60Hz frequency auto sensing
- Smart power management with software
- Waterproof enclosure design
- Cold start (DC power on)
- Load/Battery power meter display
- Overload, on-line, battery status LED
- Advanced battery management (ABM)
- Energy saving (UPS sleep mode)



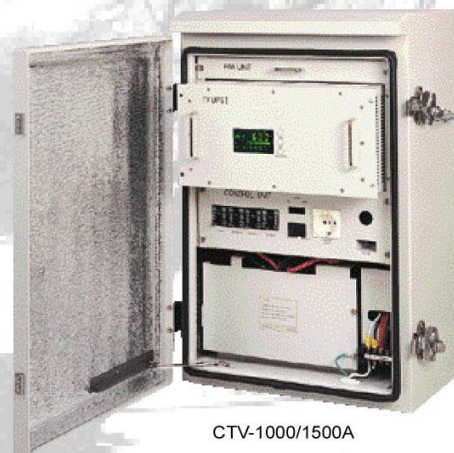
ODR-250/350/600/1000A

CABLE TV UPS

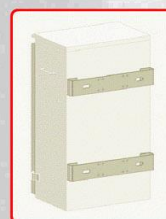
Premium Power System for Cable TV

CTV-1000A/1500A

- Suitable for outdoor weather environment ($-30^{\circ}\text{C} \sim +60^{\circ}\text{C}$)
- I/P : 110V or 220V, O/P : 60V or 90V
- True sinewave output
- Genuine Long-time back up
- Line interactive design
- Boost and buck AVR
- Fully digitized microprocessor controlled
- Smart RS-232 communication port
- Lightning and surge protection
- Short circuit and overload protection
- 50/60Hz frequency auto sensing
- Tel/modem internet spike protection
- Smart power management with software
- SNMP capability
- Cold start (DC power on)
- Load/Battery power meter display
- Overload, on-line, battery status LCD
- Advanced battery management (ABM)
- Energy saving (UPS sleep mode)



CTV-1000/1500A



• Wall Mount

Wall mount kit can be added to enable easy installation of wall mounting.

Top 2 UPS Manufacturer in The World

● Product Introduction

SMART KING

Pure Sine Wave Output for Any Critical Load

Tower model : SMK-500/600/700/800/1000/1250/1500/2000/2500/3000/5000A-LED/LCD

19" Rack Mount Model : SMK-600/800/1000/1250/1500/2000/2500/3000/5000A-RM LED/RM LCD

- Line interactive design
- Boost and buck AVR
- Hot swappable battery by users
- Fully digitized microprocessor controlled
- Smart RS-232 communication port
- Lightning and surge protection
- Short circuit and overload protection
- 50/60Hz frequency auto sensing
- Tel/modem internet spike protection
- Site wiring fault warning *
- Smart power management with software
- Load/Battery power meter display
- Overload, on-line, battery status LED or LCD display
- Advanced battery management (ABM)
- Energy saving (UPS sleep mode)
- Cold start (DC power on)
- SNMP capability (optional) **
- USB function available (optional)
- With TCP/IP connection (optional) **

* Feature Only for 100V/110V/115V Models

** Function Available with Smart Slot



SMK-600~3000A-RM LCD (2U)



SMK-600~3000A-RM LED (2U)



(For SMK-3000A-LED/LCD only)

SMK-600/800/1000/1250/1500/2000/2500/3000/5000A

SMART KING AL

UPS with Continuous Rated Capacity for Continous Backup

Main Unit Excludes Internal Batteries

Extended run time model : SAL-1000/2000/3000A-LED/LCD

- True sinewave output
- Backup time depends on quantities of connected ext. battery packs
- Built in fast charger (nominal : 5.5A, 3.5A~8A adjustable)
- Line interactive design
- Boost and buck AVR
- Hot swappable battery by users
- Fully digitized microprocessor controlled
- Smart RS-232 communication port
- Lightning and surge protection
- Short circuit and overload protection
- 50/60Hz frequency auto sensing
- Tel/modem internet spike protection
- Smart power management with software
- Cold start (DC power on)
- Load/Battery power meter display
- Overload, on-line, battery status LED or LCD display
- Advanced battery management (ABM)
- Energy saving (UPS sleep mode)
- Site wiring fault warning *
- SNMP capability (optional) **
- USB function available (optional)
- With TCP/IP connection (optional) **

* Feature Only for 100V/110V/115V Models

** Function Available with Smart Slot



SAL-1000/2000/3000A

● Product Introduction

SMART KING XL

UPS with Continuous Rated Capacity for Continuous Backup
Main Unit Includes Internal Batteries

Tower Model : SXL-1000/1500/2000/3000A

19" Rack Mount Model : SXL-1000/1500/2000/3000A-RM-LED/LCD

- True sinewave output
- Extend backup time by adding ext. battery packs
- Built in fast charger (nominal : 5.5A, 3.5A~8A adjustable)
- Overload, on-line, battery status LED or LCD display
- Line interactive design
- Boost and buck AVR
- Hot swappable battery by users
- Fully digitized microprocessor controlled
- Smart RS-232 communication port
- Lightning and surge protection
- Short circuit and overload protection
- 50/60Hz frequency auto sensing
- Tel/modem internet spike protection
- Site wiring fault warning (110V only)
- Smart power management with software
- SNMP capability*
- Cold start (DC power on)
- Load/Battery power meter display
- Advanced battery management (ABM)
- Energy saving (UPS sleep mode)
- USB function available (optional)
- With TCP/IP connection (optional) *

* Function Available with Smart Slot



SXL-1000A



SXL-1500A/2000A



SXL-3000A



SXL-1000/1500/2000A-RM LCD (3U)



SXL-3000A-RM LCD (4U)



SXL-3000A-RM LED (4U)



SXL-1000/1500/2000A-RM LED (3U)



SXL-1000~3000A-RM LED (3U)

INVERTER

The Top-Quality System to Power Future's Mobile World

19" Rack Mount Model : INV-700/1K/1.5K/2K/3K-LCD RM

- LCD display and LED indicators front panel
- Input : DC +/-48V, 40V to 56V DC
- Output : 100V/110V/115V/120V/200V/208V/220V/230V/240V
- Fully digitized microprocessor control
- Pure sine-wave output less than 3% THD
- Smart RS-232 communication port
- SNMP management capability
- Management software compatible
- Overload & short-circuit protection
- Load and battery status indicator
- Fan speed auto control when loads varies
- Load segmentation receptacles controllable
- Emergency power off function
- Multiple language LCD display
- On line output voltage selected



700~1KVA (1U)



700~3KVA (2U)

Top 2 UPS Manufacturer in The World

● Product Introduction

VANGUARD UPS

The Perfect On-Line Double Conversion UPS

Tower Model : VGD-700/1000/1500/2000/3000/6K/8K/10K/12K/15K/20K VA

19" Rack Mount Model : VGD-700/1000/1500/2000/3000-RM

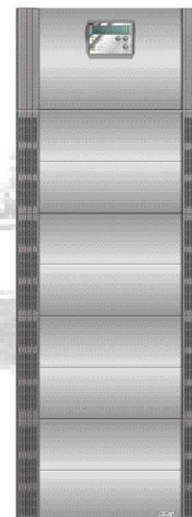
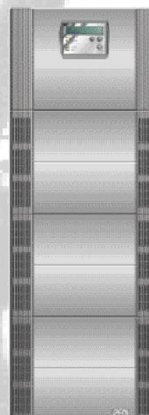
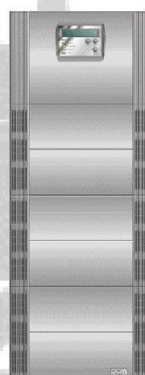
- True on-line technology provides all power protection
- Pure sine-wave output with less than 3% THD
- Fully digitized microprocessor controlled
- Cold start function (DC power on)
- Lightning and surge protection
- Short Circuit and overload protection
- Advanced battery management (ABM)
- Automatic battery charge in UPS off mode
- Battery replacement warning
- Automatic diagnostics & battery check
- Schedule shutdown & reboot
- RS-232 communication port with monitoring software
- Load segmentation receptacles controllable *
- Fan speed auto control when loads varies
- Extended back up time with battery pack
- Network/fax/modem surge protection
- History record of power failure events
- UPSMON plus software monitoring
- Hot swappable battery by user *
- Emergency Power Off function
- Optional Extension battery pack
- Support USB communication
- High efficiency mode selectable
- Battery remain time display
- Multiple language LCD display
- On line output voltage selected
- LCD display front panel
- Optional SNMP Card slot
- Wide input voltage range
- Power factor correction
- Manual bypass setting
- Free run mode setting
- EMI/RFI noise filter



* Means Function Available Only
for Model VGD-700~3000



Remote Panel



● Product Introduction

ULTIMATE-LED

The True On-Line Power Protection

1 Phase In/ 1 Phase Out Tower Model : ULT-700/1000/1500/2000/3000A LED

19" Rack Mount Model : ULT-700/1000/1500/2000/3000-RM LED

- Dual CPU control
- Pure sine-wave output less than 3% distortion (THD)
- IGBT design for 20KHZ SPWM high frequency inverter
- Wide input voltage range (+/- 27% of nominal)
- True on-line double conversion design
- Smart RS-232 communication port
- SNMP management capability
- Management software compatible
- Power factor correction (PFC Function)
- Overload & short-circuit protection
- Cold start (DC power on)
- Load and battery status indicator
- Extended back up time with battery pack
- Advanced battery management (ABM Technology)
- Versatile, modular design provides flexibility during setup and service
- Battery status & load level display
- Compact size, light weight & low noise
- Fan speed auto control when loads varies
- Energy saving (UPS sleep mode)
- UPS self test function



ULT-700/1000/1500/2000/3000-RM LED



ULT-700/1000/1500/2000/3000A-LED

ULTIMATE-LCD

The True On-Line Power Protection

1 Phase In/ 1 Phase Out Tower Model : ULT-700/1000/1500/2000/3000/5K/6K/8K/10K/12K/15K-LCD

3 Phase In/ 1 Phase Out Tower Model : ULT-8K31/10K31/12K31/15K31-LCD

19" Rack Mount Model : ULT-700/1000/1500/2000/3000-RM LCD

- LCD display front panel
- Double CPU control
- Cold start (DC power on)
- IGBT design for 20KHZ SPWM high frequency invert
- True on-line double conversion design
- Pure sine-wave output less than 3% THD
- Wide input voltage range +/- 27% of nominal
- Smart RS-232 communication port
- SNMP management capability
- Management software compatible
- Power factor correction
- Overload & short-circuit protection
- Load and battery status indicator
- Fan speed auto control when loads varies
- Versatile, modular design provides flexibility during setup and service
- Extended back up time with battery pack
- Advanced battery management (ABM)
- Energy saving (UPS sleep mode)
- Battery power & load meter display
- Compact size, light weight & low noise
- UPS self test function



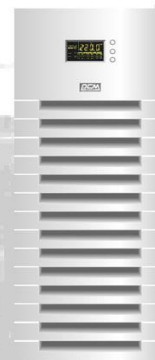
ULT-700/1000/1500/2000/3000-LCD



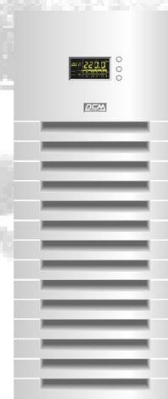
0.7/1/1.5K-LCD 2K/3K-LCD



5K/6K-LCD



8K/10K/12K-LCD



15K-LCD

Top 2 UPS Manufacturer In The World

● Product Introduction

ONL-LED/LCD Advanced Power Protection for Enterprise Network

1 Phase In/ 1 Phase Out Tower Model : ONL-2KS/3.75KS/6.25KS/7.5KS/10KS/15KS-LED

1 Phase In/ 1 Phase Out Tower Model : ONL-3.75KS/6.25KS/7.5KS/10KS/15KS-LCD

3 Phase In/ 1 Phase Out Tower Model : ONL-10KS31/15KS31/20KS31/30KS31-LED/LCD

- Sinewave Pulse Width Modulation (SPWM)
- IGBT inverter design
- Double conversion on-line system
- Multi-microprocessor control
- Smart RS-232 communication port
- SNMP management capability
- Wide Input Voltage Windows (+/-25%)
- Pure sinewave output less than 3% THD
- Versatile, modular design
- Expandable battery run time
- Generator compatible
- Cold start (DC power on)
- Load/Battery power meter display
- Overload, on-line, battery status LED
- Advanced Battery Management (ABM)
- Automatically charging in UPS off mode
- 20kHz SPWM high frequency inverter



ONL-2KS/3.75KS/6.25KS/7.5KS/10KS/15KS/20KS-LED
ONL-10KS31/15KS31/20KS31/30KS31-LED



ONL-3.75KS/6.25KS-LCD



ONL-7.5KS/10KS/15KS/20KS-LCD
ONL-10KS31/15KS31/20KS31/30KS31-LCD

● Product Introduction

ONL 33 The Best DSP Technology 3 Phase Double Conversion UPS

3 Phase In/ 3 Phase Out Tower Model : ONL-10K33/15K33/22.5K33/30K33/45K33/60K33/
80K33/100K33/120K33

- UPS controlled by Digital Signal Processor (DSP)
- Sine wave Pulse Width Modulation (SPWM)
- High Resolution 320 x 240 dots graphs LCD Display
- Automatic Battery Management and charging system
- Wide input Voltage range 176V~264V
- Pure sine wave output less than 3% THD
- UPS status display on LED flowchart
- Smart RS-232 or RS-485 communication port
- Accept two AC source input (option)
- SNMP management capability (option)
- Intranet/Internet management function capability (option)
- 20KHz high frequency inverter
- Versatile modular design
- Expandable battery run time
- Generator compatible
- IGBT inverter design
- Double conversion on-line system
- Multi-function LCD display
- Cold start function (DC power on)
- Battery test on AC mode
- Accepted 100% Unbalanced load
- Remote control panel (option)
- IBM AS-400 interface communication port (option)



ONL-10K33/15K33/22.5K33/30K33



ONL-45K33/60K33/80K33/100K33/120K33

Top 2 UPS Manufacturer in The World

● Product Introduction

TAP-CHANGE AVR

Full Automatic & Electronic Voltage Regulator

Tower Model : TCA-1200/2000A

- Flexible input utility voltage range
- Power efficiency more than 95%
- Output surge protection circuit
- Reliable IC chip design
- Output overload protection combined with recoverable manual circuit breaker
- Output short protection combine with recoverable manual circuit breaker
- Available for all kind of sensitive instruments
- 2 adaptors plus 4 regular AC plug or 4 adaptors use
- Step by step status LED display
- Network signal protection circuit
- Telecom signal protection circuit



TCA-1200/2000A

HI-AVR-LCD

High Frequency IGBT - Full Automatic & Electronic Voltage Regulator

1 Phase In/ 1 Phase Out Tower Model : AR-3K/5K/7.5K/10K/15K/20K-LCD

3 Phase In/ 1 Phase Out Tower Model : AR-3K31/5K31/7.5K31/10K31/15K31/20K31-LCD

19" Rack Mount Model : AR-3K/5K-RM LCD

- Wide input voltage windows (+/-25%)
- Excellent voltage regulation : +/-1% output
- Sinewave Pulse Width Modulation (SPWM), IGBT inverter design
- Compatible with linear and non-linear load
- Overload, high voltage & low voltage protection
- Compact size, light weight & low noise
- CPU operation ensuring reliability and constant protection
- Over 95% high efficiency cuts down your expense
- Linear voltage regulator provides higher reliability
- High performance design with innovative techniques
- Built-in surge suppressor (MOV), EMI & LC filters provide pure output



AR-3K/5K-RM LCD



AR-3K/5K/7.5K/10K-LCD
AR-3K31/5K31/7.5K31/10K31-LCD



AR-15K/20K-LCD
AR-15K31/20K31-LCD

HI-AVR 33

High Frequency IGBT - Full Automatic & Electronic Voltage Regulator

3 Phase In/ 3 Phase Out Tower Model : AR-15K33/30K33/45K33/60K33/75K33/100K33

- Wide input voltage range (+/-25%)
- Excellent +/-1% output voltage regulation
- Compatible with linear and non-linear load
- Overload, high voltage & low voltage protection
- Linear voltage regulator provides higher reliability
- Over 95% high efficiency cuts down your expense
- High performance design with innovative techniques
- CPU operation ensuring reliability and constant protection
- Built-in surge suppressor (MOV), EMI & LC filters provide pure output
- Sinewave Pulse Width Modulation (SPWM), IGBT inverter design
- Compact size, light weight & low noise
- Input phase detector protection



AR-15K33/30K33/45K33/60K33/75K33/100K33

● Product Introduction

DC UPS

High Performance DC Power Protection Small Electronic Equipment.

DCU-9V/12V/18V/24V/48V

- Exquisite design • Easy installation for every user
- Low battery alarm • Automatic shutdown
- User friendly design of swapping battery
- Short circuit and overload protection
- Full time detection utility power status
- Wide AC input voltage windows ($\pm 25\%$)
- Line ok, back-up LED display • No transfer time
- Special request 86V to 276V input voltage is optional
- Cold start (DC power on) • Graphical display of power status
- Output DC 9V, 12V, 18V, 24V depend on customer special request
- Horizontal positioning or wall mount positioning capability allows you to place anywhere you like where power source is needed



DCU-9V/12V/18V/24V



DCU-48V

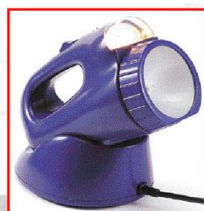
SMART LAMP

Equipped with 2 Sets of Light, One Emergency High Beam and One Lantern Light

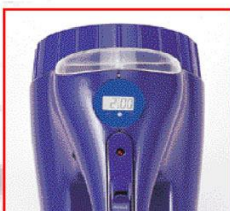
- Build-in digital clock and alarm.
- Rechargeable design with dual connectors :
Cradle type for indoor use that connect to utility power outlet.
Travel charger by cigarette charger (12V DC)
- User replaceable battery for easy battery replacement as needed.
- Featured emergency light source, auto-on when utility power fails for easy finding the flash light.
- Feature 2 LED light on cradle charger, green indicates on utility power, yellow indicates battery capacity.
2 other LED lights on SMART LAMP indicating low battery (RED) and charging by automobile charger (yellow) on the flash light.
- Ergonomics design and durable structure.
- Extended emergency lighting.
- Easy operation and convenient placement.



EASY TO REPLACE BATTERY BY USERS



Dual lamp design
(lantern light & high beam)



Build in clock and alarm



Charging cradle



Ergonomics carrying
handle



Automobile charger
(Connecting wire is optional)

Top 2 UPS Manufacturer in The World

● Product Introduction

SURGE PROTECTOR NOTEBOOK PRO

Slim Power Protection for Notebook Computers Worldwide

SurgeCatch Notebook Pro Surge Protector provides a Worldwide telecomputing solution with more features, performance and value.

The SurgeCatch Notebook Pro Surge Protector provides the mobile notebook professional with advanced AC and telephone line protection.

The unique, in-line design creates a compact, lightweight surge protector that is truly portable and appropriate for use in any country throughout the world. With built-in Excess Current Detection, the Notebook Pro warns you against potential modem damage. A Velcro mounting strap and 6 ft. telephone cord eliminate the need to carry any additional accessories.



Notebook Pro / NBP-100 / 200

**NEW
PRODUCT**

SURGE PROTECTOR DESK PRO

Surge Protector for All Home Appliances.
Protects Your Personal Computer, Workstation, TV, FAX,
Telephone, Stereo, Modem and More

- Lightning & Surge protector
- Feature 8 surge protected outlets
(Including 5 regular outlets and 3 adapters)
- Tel/Modem/Fax/Internet surge suppression
- Cable TV protection
- Compact Size, easy to install
- Site wiring fault indicator
- Protection enabling indicator
- Master On/Off switch for master control



Desk Pro / DKP-100

**NEW
PRODUCT**

SURGE PROTECTOR STRIP PRO

Surge Protector for All Home Appliances.
Protects Your Personal Computer, Workstation, FAX,
Telephone, Stereo, Modem and More

- Lightning & Surge protector
- Feature 7 surge protected outlets
- Tel/Modem/Fax/Internet surge suppression
- Compact Size, easy to install
- Site wiring fault indicator
- Protection enabling indicator
- Master On/Off switch for master control




Strip Pro / STP-100

**NEW
PRODUCT**

● Product Introduction

Powercom Rackmount UPS family



KING PRO RM
KIN-600AP-RM(1U)
KIN-1000AP-RM(1U)

KING PRO RM
KIN-1200AP-RM(2U)
KIN-1500AP-RM(2U)

KING PRO RM
KIN-2200AP-RM(3U)
KIN-3000AP-RM(3U)

ULTIMATE LCD RM
700~3000VA (3U)

ULTIMATE LED RM
700~3000VA (3U)

SMART KING LCD RM
600~3000VA (2U)

SMART KING LED RM
600~3000VA (2U)

SXL-RM
SXL-3000VA-RM (4U)
SXL-1000/1500/2000VA-RM (3U)

Rack Mount Battery (3U)
For all RM Series

VANGUARD UPS RM
700~1000VA (1U)
700~3000VA (2U)

Rack Mount Battery
For VANGUARD RM Series

Top 2 UPS Manufacturer in The World

● Product Introduction

Our
Smart Link
connects all
UPS's to
new friendly-user
computer using
USB interface!
(Universal Serial Bus)



Compatible to
MS-Windows 98.Rev.2
/ME/2000/XP/2003

RS-232-to-USB Converting Cable (Compatible to Windows 98.Rev.2/ME/2000/XP/2003)

The RS-232-to-USB converting cable has a RS-232 connector on one end and an USB connector on another. It enable UPS with conventional RS-232 connector to interface easily with computer with USB port.

UPSMON plus Power Wizard for USB

UPSMON plus Power Wizard for USB is very easy to install and use. It can automatically detects Smart Link that enable automatic communication between UPS and computer.

The screen will display AC power Normal or AC Power Failure, Power by UPS Battery, and UPS Battery Capacity. Users can configure the Battery Level which dictates the software when it should shut down the Windows system or turn off the UPS. One can also select AutoSave Files first before executing the shutdown Windows. UPSMON plus Power Wizard software support Windows 98's power managing software.



Desktop computer



Notebook computer

Easy Installation with USB Communication Port

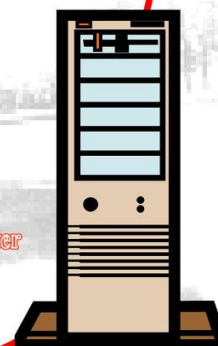
Once the POWERCOM Smart link is connected to USB communication port, the computer automatically start up the driver.



All Roads Lead to Rome
All PCMU UPSes Lead to USB for Computer



USB Cable



Work station server

● Product Introduction

PCM UPSMON® UPS monitoring software

THE RIGHT COMBINATION OF SAFETY AND PROTECTION

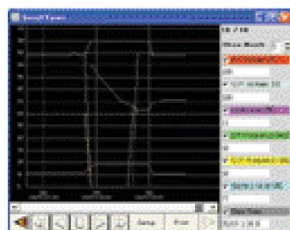
If you are seeking a superior protection to saving valuable documents and applications during power outage situation UPSMON plus is the iron clad program that can be trusted. With easy-to-use features, UPSMON plus provides excellent power management for any PC platforms including Novell NetWare and LINUX.

Most of the LAN environments and PCs use the UPS for protection during power failure and preventing data lost. However, this is not sufficient simply because the UPS can only provide limited battery output and abnormal power output when power failure occurs. Someone still have to shutdown the file server, or there would be possibility of abnormal power down and operating system corruption.

UPSMON plus is an intelligent power monitoring software that detects the status of UPS through communication port. When power failure occurs, the software senses the status and will immediately broadcast warning messages to users. When internal timer begins countdown to the zero, software will close the entire files, shutdown the systems, and turn off UPS power switch.

NEW!
TCP/IP & SNMP
AGENT

If power recovered during the timer count down period, the monitoring software will broadcast a power restore message to users, and systems will not be shutdown and operation will be maintained. During the timer count down period, if the software goes into battery low status, software will notify the systems to shutdown in 1 minute (default).

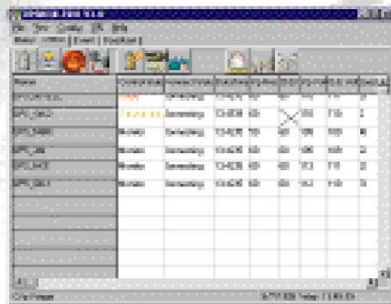


Power Quality Data Log Analysis
Tracks power data such as input/output voltage & frequency, load & battery capacity and ambient temperature for power problem diagnostic.

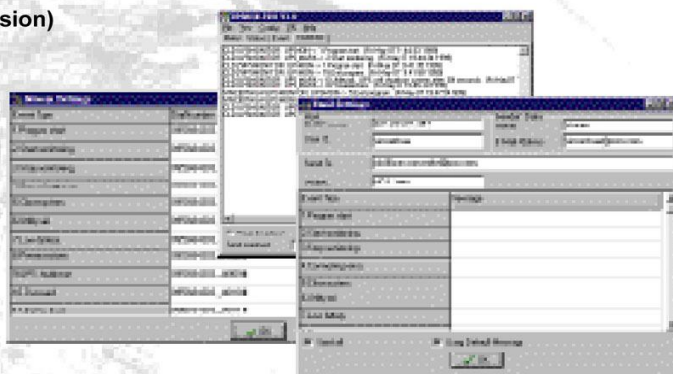
Schedule Settings						
Month:	Weekly reset:	End date:	End of the month:	OK	Cancel	Help
January	2023/01/01	2023/01/31	2023/01/31			
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				
		</				

Product Introduction

UPSMON *plus* Network (Optional Version)



Multi-UPS management to all UPS on the network that already installed UPSMON plus Network through RS232.



Email, Paging and Broadcast Functions

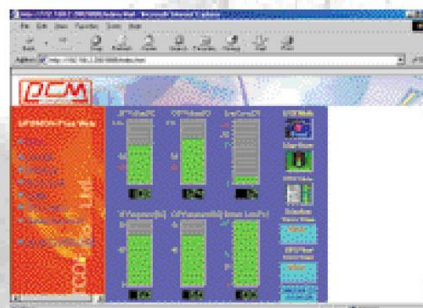
- UPSMON *plus* Network broadcast function alerts users on the network if a power failure occurs.
- UPSMON *plus* Network even includes a Paging function that dials out via modem to notify outbound users.
- UPSMON *plus* Network event message transmits to more than 2 recipients via e-mail server.
- Service function.

UPSMON *plus* Network S(Slave) (Optional Version)



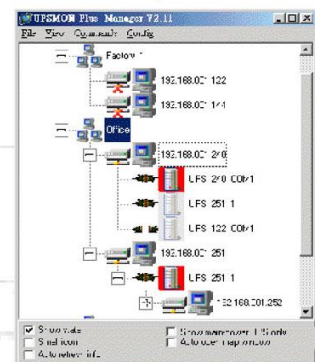
- Allows station to share UPS power from other UPS connected to other station in the network.
- Able to receive broadcast message and UPS event log.
- Supports broadcast receiving pop-up or hide-out.
- Compatible to Windows 95/98/ME/NT/2000/XP/2003.

UPSMON *plus* WEB Server

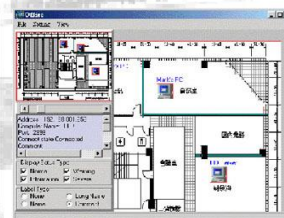
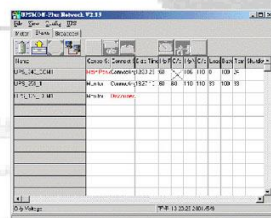


UPSMON *plus* WEB enable users to monitor UPS through RS232 communication port and SNMP management utilities.

UPSMON *plus* Network M(Manager) (Optional Version)



(Optional Version)



- Remote monitoring for all the UPS's within the network.
- Remote setup for adding UPS connection.
- Allows event message broadcasting and user write up.
- Allows UPS event log and hide irrelevant events.

- UPS management grouping.
- Able to manage up to 1500 units of UPS's.
- Enable multi-layer map management tool to manage UPS in dedicated area, and to monitor the UPS status.

● **Service & Technical Support**

Powercom's Customer Service and Support (CS&S) Division is the industry's leading provider of factory-trained service technicians for Powercom UPS, Power Conditioning, and Monitoring Software. We are ISO 9001 certified and the service company to receive UL-certified maintenance provider status. These third-party endorsements provide further evidence of our level of quality service.

We're here to provide you with expertise in the service and technical support of Powercom UPS and other critical power equipment.

Our CS&S service team offers:

- **QUALITY ASSURANCE & ON-SITE SERVICE WARRANTY**

Powercom provides the Quality Assurance to customers that the annual accumulated failure rate (excluding battery) is below a certain percentage.

- **TRAINING SUPPORT**

Whether you are a UPS novice or a seasoned veteran, training courses from Powercom will give you unique insight on how we can more effectively solve your power problems. Regular courses are available at our training center.

A customized course can also be developed by our professional training staff and held at your site.

- **CORPORATE POWER AUDITS**

Ask your power questions of Powercom power professionals. Powercom engineers will provide a power audit, identifying the cause of your problems and recommending a feasible solution.

- **SPARE PARTS**

When delivered quantity for each individual model has been accumulated over a certain quantity, Powercom will consign one set of free spare parts package (called Initial Guarantee Parts including spare PCBs and other parts) to customers automatically.

- **FAULTY PARTS**

We will mail the detailed circuit diagram to you in order to check which parts on the PCB are faulty. And after confirmation of faulty part number. You will receive those parts for replacement at your site.

- **A PREMIER POWER RESEARCH LAB AT YOUR SERVICE**

We would like to prove that Powercom manufactures is a reliable power protection. To find out the facts, bring any competitive UPS system to our test labs and receive the measurements report. Powercom Lab testing is available by appointment.

Reach our technical support by

• International : TEL. 886-2-22258552, FAX. 886-2-22251776, 22260537

E-mail : service@upspowercom.com.tw

● Marketing

It is our philosophy and principle to provide our customers with the highest quality of service and marketing support at the lowest possible rate. In addition, at Powercom we have designed our budget to assure the lowest overhead possible in order to pass the savings on to our customers.

- **Customer's Need** : By the rapidly integrating advanced technology and anticipating the market's direction, Powercom has been able to be first with the latest technology. We are always developing and designing new products to meet the future challenge of UPS industry, while still providing an exceptional PRICE/PERFORMANCE ratio.

- **Range of products** : You want one supplier for all your power protection system needs. We offer a broad range of power protection systems from AVR to true on line UPS, capacity from 250VA to 60 kVA.

- **Software** : Providing reliable hardware is not enough. What sets supplier of complete UPS solution apart from others is software. All software provided by Powercom let you look 'inside' your computer and control the power on your systems.

- **Reliability** : As ISO official certified company, all of our products are field proven under demanding condition. All of our UPS products are available with at least a 2-year limited warranty. UL, cUL, FCC, VCCI, BSMI, TUV and CE approved designs are common in many of our products.

- **Mass Production** : Equally important is the supply of our products. You can't make money if you don't have product. Therefore, we work very hard to have our products available when you need them. There is mass production. "Available" is a key component of our supply strategy. Also, as trends emerge in the marketplace, we will have new products available for you to meet those needs.

- **Delivery** : In today competitive environment timely delivery is a necessity. Most standard products from Powercom are available for delivery within 3 weeks after the receipt of order.

- **Advertising campaign** : Get the rebate for advertising charge from Powercom and other materials for helping you to promote Powercom UPS products. In view of our long business relationship with resellers, Powercom provides rebate for your advertising campaign. Powercom will do the advertisement on multinational magazines with your company name on it by free of charge. In addition, you may get materials supported by Powercom and the rebate for your local advertising campaign.

- **Marketing materials support:**

- A. Sales manual : These might be of particular interest to new resellers. We want you and your customers to be completely aware of Powercom products.

- B. Product specification sheets.

- C. Photos/Transparencies for your advertising and promotion material design.

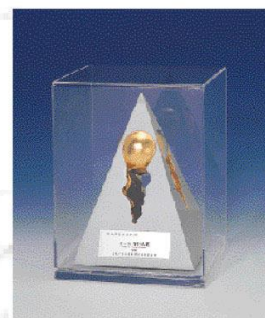
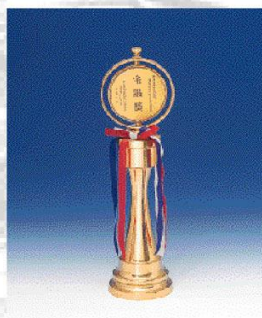
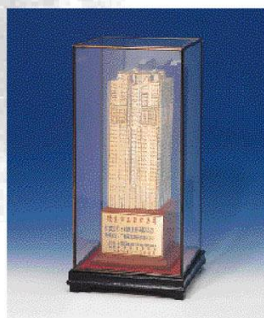
- D. Sales leads : There are always some sales leads from our exhibition & promotion activities.

- **Exhibition/Show activities** : Powercom will offer free additional help by materials/personnel support.

- **Demand** : Our marketing "PULL" strategy starts with strong marketing image. We do advertising, exhibition activities extensively, use P.R. and offer exciting promotions to create an awareness of our products' advantages.

- **Stability** : Your investment in UPS is substantial, not only in terms of dollars for equipment. You need to be certain that your supplier will be around for the long haul. As ISO 9001 official certified company Powercom has the resource to assure you that we will be a supplier of power protection system for many years to come.

Awards and Certificates



1. Rewards from Taiwan

- 1994 Golden Plaza Award of Excellent Electrical Equipment
- 1994 Golden Medal of Excellent Products made in Taiwan
- 1995 The National Awards of Golden Brain Competition Activity
- 1996 The Fifth National Awards of Small and Medium Enterprises in Taiwan
- 1996 The Fifth National Awards (the first round),
"it is very well made in Taiwan" (Symbol of Excellence)
- 1997 The Fifth National Awards (the first round),
"it is very well made in Taiwan" (Symbol of Excellence)
- 1997 The Sixth National Awards, "it is very well made in Taiwan"
(Symbol of Excellence)
- 1997 The National Awards of Enterprises with innovation and research spirit
- 1997 The Sixth National Awards, "it is very well made in Taiwan"
- 1998 The Seventh National Awards, "it is very well made in Taiwan"
(Symbol of Excellence)
- 1999 The Awards of Rising Stars in Taiwan
- 1999 The Eighth National Awards, "it is very well made in Taiwan"
- 2000 The Ninth National Awards, "it is very well made in Taiwan"
- 2000 "The most popular UPS" Award in Taiwan
- 2001 The Awards of Good Consumer Selection products
- 2001 Public listed in Taiwan Stock market. (Taisdaq)
- 2002 The Tenth National Awards, "it is very well made in Taiwan"
- 2002 Public listed in Taiwan Stock Exchange (TSE)
- 2003 RATED "A" in CRN Magazine US
- 2003 Ranked the 2nd UPS brand in Russia by CRN Magazine
- 2003 Ranked the 3rd UPS brand in Japan by BCN
- 2004 The Twelfth National Awards, "it is very well made in Taiwan"

2. International Certificates

- Britain BSI ISO 9001 Certificate
- European CE Certificate
- Germany TUV Certificate
- America UL and Canada cUL Safety Certificate
- America FCC Certificate

Top 2 UPS Manufacturer in The World

Global Leader in Power Protection



Complete Power Solution™

Powercom Co., Ltd.

8F, No. 246, Lien Chen Rd., Chung Ho City,
Taipei Hsien, Taiwan, R.O.C.

Tel.886-2-22258552

Fax.886-2-22251776 • 22260537

<http://www.pcmups.com.tw>

E-mail:service@upspowercom.com.tw (technical support)

E-mail:market@upspowercom.com.tw (marketing support)