



Multi functional Tower-UPS with LCD operating panel



**Double Conversion
single phase Tower UPS**

**Secure power for
workstations, servers, small
network and telecom applications
and other critical electrical equipment**

With the high-frequency, double conversion online technology, the UPS provides uninterruptible clean sine wave power. The automatic bypass to handle overloads, short circuits and other critical events optimally. The multiple language LCD operating panel ensures an easy viewing of the UPS status and handling of the main parameter settings. Advanced communication securing full operational performance.

Features:

- Wide input voltage range
- Fully digitised microprocessor controlled
- Cold start function (start from DC battery power only)
- Power factor correction
- Automatic fan speed control
- High efficiency mode selectable
- UPS Green Mode- energy saving function (No Load Shutdown)
- Schedule shutdown & reboot
- Emergency Power Off function
- Short circuit and overload protection
- Lightning and surge protection
- Network / Fax / Modem surge protection
- Controllable load output sockets for load segmentation
- Advanced battery management system (three-stage charging)
- Battery protection - cut off when battery voltage is low
- Automatic battery diagnostic / backup time and replacement information
- Automatic battery charge in UPS off mode
- Hot swappable battery
- Extended back up time with additional battery packs
- External charger (P2000 / P3000)
- Multilingual LCD-Display
- Record of power failures events
- Communication ports RS232 / USB - optional SNMP / relay card
- USB / RS232 connecting cable
- SPower communication software

Tower Model (With LCD Display)		SP P700	SP P1000	SP P2000	SP P3000
OUTPUT	Capacity	700VA / 490W	1000VA / 700W	2000VA / 1400W	3000VA / 2100W
		other ratings on request			
	Voltage (on battery) (Selectable Voltage)	single phase 100V, 110V, 115V, 120V, 127V +/-2% or single phase 208V, 220V, 230V, 240V +/-2%			
	Frequency (on battery)	50 / 60 Hz +/-0.5%			
	High Efficiency Mode	> 95 % (AC to AC)			
	Efficiency	87% linear load		92% linear load	
	Harmonic Distortion	< 3% of THD at linear load			
	Crest Factor	3:1			
Output Sockets		4 x NEMA 5-15	6 x NEMA 5-15	12 x NEMA 5-15	
		4 X IEC320 C13	4 X IEC320 C13	8 X IEC320 C13 1 X IEC320 C19	
INPUT	Voltage Single Phase	100V/110V/115V/120V/127V		208V/220V/230V/240V	
		Voltage Range	Load Capacity	Voltage Range	Load Capacity
		60 ~ 69V	0 ~ 40%	120 ~ 139V	0 ~ 40%
		70 ~ 79V	0 ~ 70%	140 ~ 159V	0 ~ 70%
	80 ~ 144V	0 ~ 100%	160 ~ 276V	0 ~ 100%	
	Frequency	50 / 60 Hz Auto Sensing			
Connector	NEMA 5-15 (100-120V) / IEC 320 (208-240V)				
BATTERY	Type	Sealed, maintenance-free lead acid batteries			
	DC Voltage (V)	24V / 12V 7.2AHx2	36V / 12V 7.2AHx3	72V / 12V 7.2AHx6	72V / 12V 9AH x 6
	Typical Recharge Time	3 hours (to 90%)			
	Back Up Time (Full Load)	7 min.	6 min.	6 min.	5 min.
	Back Up Time (Half Load)	15 min.	15 min.	15min.	15 min.
PROTECTION	Surge Protection	IEEE C62.41 / IEC 61000-4-5 level 3			
	Overload Protection	125% for 1 min. and 150% for 10 sec.			
COMMUNICATION	Audible Alarm	Battery Back-Up / UPS fault			
	Visual Display	Input / output voltage, input / output frequency, on-line mode, back up mode, battery capacity, load level			
	Monitoring	RS-232 Serial Port and optionally USB / SNMP Slot			
ENVIRONMENT	Operating Temperature	0 - 40 deg. C			
	Storage Temperature	-20 ~ 50 deg. C			
	Installation Altitude	up to 3500 m			
	Audible Noise	< 40 dBA (1 meter from surface)			
	Relative Humidity	0 ~ 95% humidity, non-condensing			
CONFORMANCE	Safety	CE or UL 1778			
	EMC conformance	FCC Part 15, CISPR 22 , IEC 61400-4- 2/3/4/5/6/8			
COLOUR		Anthracite (RAL 7016)			
SOFTWARE		SPower Communication Software			
ACCESSORIES		Battery expansion, connecting cable, USB, SNMP , Relay Card			
WEIGHT	(kg)	13.5	16.2	31.6	32.5
DIMENSION	(mm) W x D x H	152 x 420 x 237		225 x 425 x 360	