

bcn[®]

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TOWER SERIESTELECOM-
MUNICATIONS
DEVICESLOCAL AREA
NETWORKS
(LAN)E-BUSINESS
(Servers Farms,
ISP/ASP/POP)

SERVERS

CASH
REGISTERSEMERGENCY
SECURITY

SERVER PRO

1KVA - 3KVA

Output power factor 0.9 or 1 (Option)

TIS.1291 Part 1-2553
TIS.1291 Part 2-2553
TIS.1291 Part 3-2555

Highlights

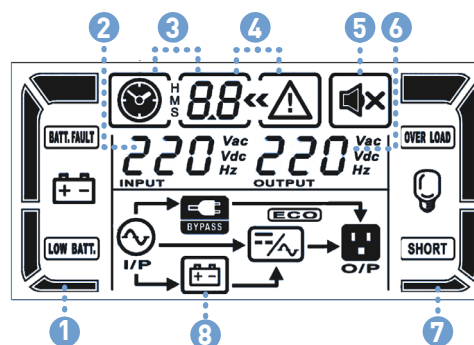
- True on-line double conversion design UPS
- 100% digitized microprocessor controlled
- Output power factor 0.9 or 1 (Option)*
- Wide input voltage range 110-300Vac
- 50/60 Hz frequency converter mode
- MIMIC LCD for real-time UPS status display
- Auto self-testing system while turning on UPS
- ECO mode operation for energy saving
- Selectable output voltage via LCD panel
- Cold start function
- Smart battery charger design to optimize battery performance
- Battery charger with temperature compensation technology
- Short circuit protection
- Lightning and surge protection
- Built-in USB and RS-232 communications port for management software
- Generator compatible
- Optional external maintenance bypass switch
- Optional compatible with SNMP protocol



Server Pro is specifically designed for operation in poor power areas. They provide high power density with long backup time in compact size. It's ideal for ATMs, banking and other business critical applications.

LCD Display Panel

1. Battery Info
2. Input & Battery Voltage Info
3. Remaining Backup Time
4. Fault Info
5. Mute Operation
6. Output & Battery Voltage Info
7. Load Info
8. Mode Operation Info



* PF 1 (Option)

Your choice of power protection

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E-BUSINESS
(Servers Farms,
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SERVERS



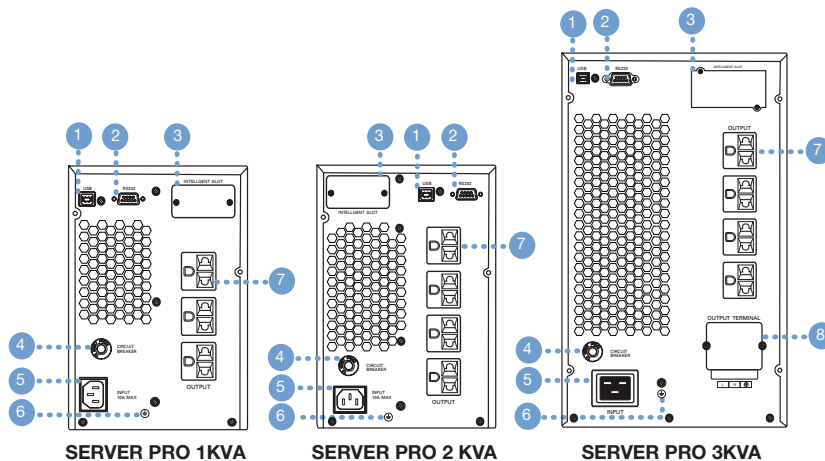
CASH
REGISTERS



EMERGENCY
SECURITY

Rear panel view

1. USB communication port
2. RS-232 communication port
3. SNMP intelligent slot
4. Input circuit breaker
5. AC input
6. Ground connector
7. Output outlet
8. Output terminal



MODEL		SERVER PRO 1KVA	SERVER PRO 2KVA	SERVER PRO 3KVA
CAPACITY	VA	1000VA	2000VA	3000VA
	Watts	900W or 1000W (Option)	1800W or 2000W (Option)	2700W or 3000W (Option)
INPUT				
Nominal Voltage		220Vac(208/220/230/240VAC : selectable)		
Voltage Range		110-300 Vac 1 Phase 50/60Hz		
Frequency Range		40Hz ~ 70Hz		
Power Factor		≥ 0.99 @ Nominal Voltage (100% Load)		
OUTPUT				
Output Voltage		220Vac(208/220/230/240VAC : selectable)		
AC Voltage Regulation (Batt. Mode)		220Vac ± 1% 1 Phase 50/60Hz (L,N,G)		
Frequency Range (Synchronized Range)		47Hz ~ 53Hz or 57Hz ~ 63Hz		
Frequency Range (Batt. Mode)		50 Hz ± 0.25Hz or 60Hz ± 0.3Hz		
Current Crest Ratio		3:1		
Harmonic Distortion (Line Mode)		≤3 %THD (Linear Load) ; ≤ 5 % THD (Non-linear load)		
Transfer Time	Line mode to Battery mode	Zero		
	Inverter to Bypass	4ms (Typical)		
Waveform (Batt. Mode)		Pure Sinewave		
EFFICIENCY				
AC Mode		88%	89%	90%
Battery Mode		83%	87%	88%
BATTERY				
Battery Type		12V / 7.2 AH or 12 V / 9 AH		
Numbers		2	4	6
Typical Recharge Time		4 hours recovery to 90% capacity		
Charging Current (max.)		1A		
INDICATORS				
LCD Display		Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicator		
ALARM				
Battery Mode		Sounding every 4 seconds		
Low Battery		Sounding every second		
Overload		Sounding twice every second		
Fault		Continuously sounding		
PHYSICAL				
Dimension, W x D x H (mm)		145 x 282 x 220	145 x 397 x 220	190 x 421 x 318
Net Weight (kgs)		9.8	17	27.6
ENVIRONMENT				
Humidity		20-90 % RH @ 0- 40°C (Non-condensing)		
Noise Level		Less than 50dBA @ 1 Meter		
MANAGEMENT				
Smart RS-232 / USB		Supports Windows ² 2000/2003/XP/Vista/2008, Windows ² 7/8, Linux, Unix, and MAC		
Optional SNMP		Power management from SNMP manager and web browser		



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- All specifications subject to change without notice.
- Custom-made specifications are acceptable.
- Manufactured by factory with ISO 9001, ISO 14001, OHSAS 18001, CE, STANDARD