



Server Pro

TOWER SERIES 1 - 3KVA
High output power factor 0.9

Highlights

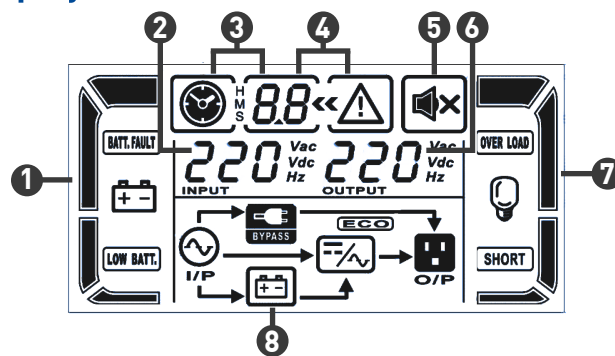
- True on-line double conversion design UPS
- 100% digitized microprocessor controlled
- Output power factor 0.9
- Wide input voltage range 110-300Vac
- 50/60 Hz frequency converter mode
- MIMIC LCD for real-time UPS status display
- Auto self-testing system while turning on UPS
- ECO mode operation for energy saving
- Programmable power management outlet
- 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



TIS. 1291 (TYPE 1) 2553
TIS. 1291 (TYPE 2) 2553
TIS. 1291 (TYPE 3) 2555

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

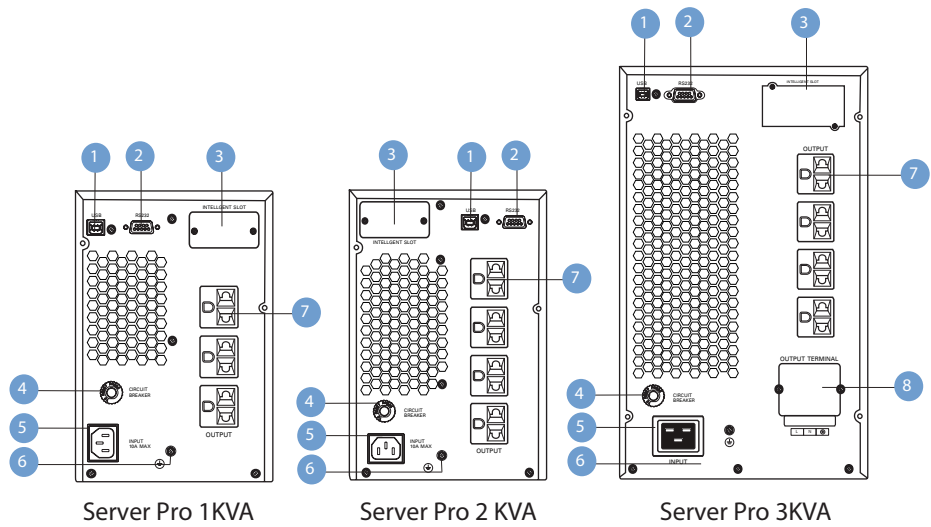
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TOWER SERIES 1-3KVA

Output power factor 0.9

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	1000VA/900W	2000VA/1800W	3000VA/2700W
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, D x W x H (mm)	282 x 145 x 220	397 x 145 x 220	421 x 190 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
- Custom-made specifications are acceptable.
- Manufactured by factory with ISO 9001, ISO 14001, OHSAS 18001, ROHS, STANDARD