THE ENERGY DOCTOR®

TED UPS EXPERTS

UPS RACK 6-10kVA

Highlights

- Pure sine wave output, Zero transfer time
- High frequency on-line double conversion technology
- High reliability microprocessor control, self check
- Output power factor 1.0, High efficiency 95% (up to 98% ECO mode)
- Wide imput voltage range from 110V~ to 290V~
- Intelligent battery management, automatic floating / equalizing charge control,
- charger dormancy control, increasing battery life by 50%
- Intelligent startup in DC mode Cold Start Function
- Fan speed varies with temperature, reducing noise and extending its service life
  Noise level at 1m ≤ 55dB for 6kVA and ≤ 58dB for 10kVA
- High protection for: overvoltage, undervoltage,overload, over-temperature,
  battery low voltage and fan failure

Functions

- LCD Display able to rotate for rack position or tower position (90°)
- LCD+LED display, multi functional keys operation, friendly human-machine interface
- Advanced multi-platform communications: RS232, USB, RS485, SMTP
- Online static bypass
- Improved digital parallel technology (up to 4 UPS modules)
- Adjustable battery configuration (from 16 to 20 pcs 12V batteries)
- Digital charging control, charging voltage and current configured by demand

PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE

TED Electric, Netherlands, City: Wassenaar, Dr. Mansveltkade Street 48, Postal code: 2242XM

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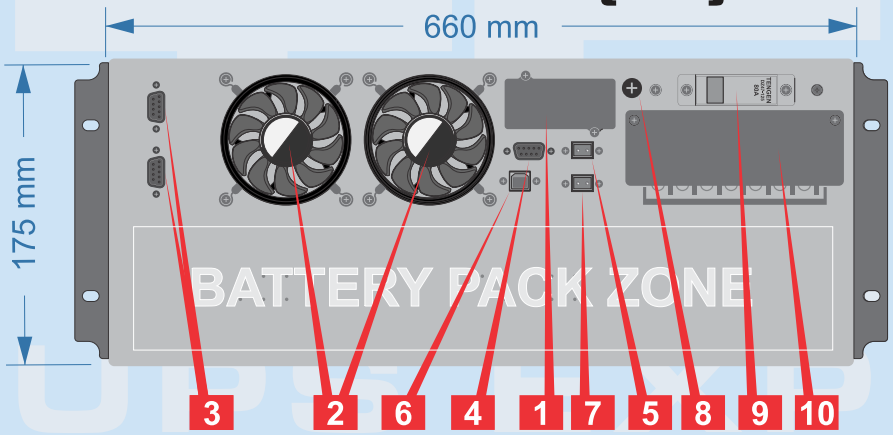
UPS RACK 6-10kVA

Specifications

Model	TED006226	TED006233
Power	6000 VA / 6000W	10000 VA / 10000W
Input		
Voltage range	175V ÷ 290V (normal load) / 110V ÷ 175V (50% load)	
Frequency Range	40Hz ÷ 70Hz	
Power factor	≥ 0.99	
Total harmonic distortion (THDi)	≤ 5%	
Output		
AC Voltage Regulation (Batt. Mode)	230V ± 1%	
Frequency Range (Batt. Mode)	50Hz ±0.1%	
Transfer Time	0 ms	
Waveform / Power factor	Pure Sine Wave / 1	
Efficiency	≥ 94% at 100%, max. 94.5% at 60% load, ≥ 98% in ECO mode	
Overload	100% ~ 110% - 10 min., 110% ~ 125% - 1 min., 125% ~ 150% - 30 sec.	
Total harmonic distortion (THDi)	≤ 1% (linear load); ≤ 4% (non-linear load)	
Battery		
Battery Type & Number	16-20 pcs 12V 7-9Ah	
Standard	16 pcs 12V 7Ah	16 pcs 12V 9Ah
Charging Current	1A-5A (Settable)	
Typical Recharge Time	3 - 5 hours	
Protection		
Full Protection	Protect surge, overload, discharge, overcharge protection and short circuit	
Physical		
Output Receptacles	Terminal block	
Product dimensions D x W x H (mm)	440 x 660 x 175 - 4U	
Packed dimensions D x W x H (mm)	550 x 790 x 420	
Net Weight with batteries (kg)	60 kg	65 kg
Gross Weight with batteries (kg)	70 kg	75 kg
Operating Environment		
Operating Humidity/Temperature	0 - 90% / 0 - 40°C	
Management		
USB/RS-232 Port	Supports Windows 7/8/10, 11, Linux, Unix and BSD	

6-10kVA [4U] REAR VIEW



1. SNMP (optional)
2. Fans
3. Parallel (optional)
4. RS232
5. EPO
6. USB (optional)
7. Temperature Compensation (optional)
8. GND
9. Bypass Breaker
10. Terminal and Cover
11. Battery Pack

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