

## 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 input 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  $\leq 55\text{dB}$  for 6kVA and  $\leq 58\text{dB}$  for 10kVA
- High protection for: overvoltage, undervoltage, overload, over-temperature, battery low voltage and fan failure
- Compact internal layout provide minimal footprint



## Functions

- 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
- High efficient software and hardware protection function, complete self-diagnostic functions and abundant logs for check

## Specifications

Model	TED004000	TED004017
Power	6kVA / 6kW	10kVA / 10kW
<b>Input</b>		
Voltage range	175V ÷ 290V (normal load) / 110V ÷ 175V (50% load)	
Frequency Range	40Hz ÷ 70Hz	
Power factor	≥ 0.99	
Total harmonic distortion (THDi)	≤ 5%	
<b>Output</b>		
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% load, max. 95% at 60% load, ≥ 98% in ECO mode	
Overload	100% ~ 110% - 10 min., 110% ~ 130% - 1 min., 130% ~ 150% - 30 sec.	
Total harmonic distortion (THDi)	≤ 1% (linear load); ≤ 4% (non-linear load)	
<b>Battery</b>		
Battery Type & Number	16-20 pcs 12V 7-9Ah	
Standard	16 pcs 12V 7Ah	16 pcs 12V 9Ah
Typical Recharge Time	8h	
<b>Protection</b>		
Full Protection	Protect surge, overload, discharge, overcharge protection and short circuit	
<b>Physical</b>		
Output Receptacles	Schuko CEE 7/3, terminal block, RS232 (communication port)	
Product dimensions D x W x H (mm)	191 x 465 x 711	191 x 495 x 711
Packed dimensions D x W x H (mm)	310 x 654 x 941	310 x 685 x 941
Net Weight with batteries (kg)	53 kg	62 kg
Gross Weight with batteries (kg)	61 kg	70 kg
<b>Operating Environment</b>		
Operating Humidity/Temperature	0 - 90% / 0 - 40°C	
<b>Management</b>		
USB/RS-232 Port (optional)	Supports Windows 7/8/10/11, Linux, Unix and BSD	

## 6-10kVA REAR VIEW

- |   |                                  |
|---|----------------------------------|
| 1. RS232  | 8. Fans                          |
| 2. EPO  | 9. Bypass Breaker                |
| 3. Parallel Port (optional)                                       | 10. Input Breaker USB (optional) |
| 4. USB (optional)   | 11. GND                          |
| 5. Temperature detection  | 12. Terminals and Cover          |
| 6. Intelligent Slot   |                                  |
| 7. Reserved: for manual bypass or battery breaker or outlets etc. |                                  |

