

THE ENERGY DOCTOR®

**TED**

UPS EXPERTS

# UPS ONLINE THREE-PHASE 100kVA 3/3

## Highlights

- Pure sine wave output, Zero transfer time
- High frequency on-line double conversion technology
- 3-Level technology and dual-core DSP control technology
- Output power factor 1.0
- High efficiency 96% (up to 99% ECO mode)
- Wide input voltage range
- Active factor power correction up to 0.99 (APFC)
- Intelligent battery management, automatic floating / equalizing charge control, charger dormancy control, increasing battery life by 50%
- New coating technology for internal components permit UPS operate in harsh environment for long time
- Fan speed varies with temperature, reducing noise and extending its service life
- 5 inches LCD color display, touch screen
- High protection for: overvoltage, undervoltage, overload, over-temperature, battery low voltage and fan failure
- Compact internal layout provide minimal footprint



## Functions

- Advanced multi-platform communications: RS232, USB, RS485, SMTP, Wi-Fi card, GPRS card
- Independent bypass, dual input design
- Improved digital parallel technology (up to 4 UPS modules)
- Adjustable battery configuration
- 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

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

# Specifications

<b>Model</b>	<b>TED004727</b>
<b>Power</b>	100kVA / 100kW
<b>Input</b>	
Rated voltage	400Vac (3Ø + N +PE)
Voltage range	300V ÷ 490V
Rated frequency	50 / 60 Hz
Frequency Range	40Hz ÷ 70Hz
Power factor	≥ 0.99
Total harmonic distortion (THDi)	< 3%
<b>Output</b>	
Rated voltage	400Vac (3Ø + N +PE)
Frequency Range	50 / 60 Hz
Transfer Time	0 ms
Waveform / Power factor	Pure Sine Wave / 1
Efficiency	≥ 96% at 100% load, ≥ 99% in ECO mode
Overload	100% ~ 110% - 60 min., 110% ~ 130% - 10 min., 130% ~ 150% - 1 min.
Total harmonic distortion (THDi)	≤ 1% (linear load); ≤ 3% (non-linear load)
<b>External Battery Holder</b>	
Battery Type	12V 65-125Ah
Battery configuration (standard)	42 pcs (standard)
Battery configuration range	32 - 44 pcs
Charging current	24A
<b>Protection</b>	
Full Protection	Protect surge, overload, overtemperature, excessive low battery, overvoltage, undervoltage, fan failure, short circuit
<b>Physical</b>	
Output Receptacles	Terminal block
Product dimensions D x W x H (mm)	440 x 850 x 1200
Packed dimensions D x W x H (mm)	530 x 940 x 1370
Net Weight (kg)	159
Gross Weight (kg)	172
Holder dimensions D x W x H (mm)	920 x 1400 x 1180
<b>Operating Environment</b>	
Operating Humidity	0 - 95%
Operating Temperature	-25°C ~ +40°C
Noise level	65 dB Max.
<b>Management</b>	
Interface connections (standard)	Standard: RS232, RS485, USB, RS485, battery cold start
Optional Interface connections	Programable dry contact, SNMP, parallel kit