

THE ENERGY DOCTOR®

**TED**

UPS EXPERTS

# UPS ONLINE THREE-PHASE 120kVA 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>TED006303</b>
<b>Power</b>	120kVA / 120kW
<b>Input</b>	
<b>Rated voltage</b>	400Vac (3Ø + N +PE)
<b>Voltage range</b>	300V ÷ 490V
<b>Rated frequency</b>	50 / 60 Hz
<b>Frequency Range</b>	40Hz ÷ 70Hz
<b>Power factor</b>	≥ 0.99
<b>Total harmonic distortion (THDi)</b>	< 3%
<b>Output</b>	
<b>Rated voltage</b>	400Vac (3Ø + N +PE)
<b>Frequency Range</b>	50 / 60 Hz
<b>Transfer Time</b>	0 ms
<b>Waveform / Power factor</b>	Pure Sine Wave / 1
<b>Efficiency</b>	≥ 96% at 100% load, ≥ 99% in ECO mode
<b>Overload</b>	100% ~ 110% - 60 min., 110% ~ 130% - 10 min., 130% ~ 150% - 1 min.
<b>Total harmonic distortion (THDi)</b>	≤ 1% (linear load); ≤ 3% (non-linear load)
<b>External Battery Holder</b>	
<b>Battery Type</b>	12V 65-125Ah
<b>Battery configuration (standard)</b>	42 pcs (standard)
<b>Battery configuration range</b>	32 - 44 pcs
<b>Charging current</b>	36A
<b>Protection</b>	
<b>Full Protection</b>	Protect surge, overload, overtemperature, excessive low battery, overvoltage, undervoltage, fan failure, short circuit
<b>Physical</b>	
<b>Output Receptacles</b>	Terminal block
<b>Product dimensions D x W x H (mm)</b>	440 x 850 x 1200
<b>Packed dimensions D x W x H (mm)</b>	530 x 940 x 1370
<b>Net Weight (kg)</b>	200
<b>Gross Weight (kg)</b>	220
<b>Holder dimensions D x W x H (mm)</b>	920 x 1400 x 1180
<b>Operating Environment</b>	
<b>Operating Humidity</b>	0 - 95%
<b>Operating Temperature</b>	-25°C ~ +40°C
<b>Noise level</b>	65 dB Max.
<b>Management</b>	
<b>Interface connections (standard)</b>	Standard: RS232, RS485, USB, RS485, battery cold start
<b>Optional Interface connections</b>	Programable dry contact, SNMP, parallel kit