

## TED UPS Online 3:1 20kVA - TED004291

- Three-Phase UPS to Single-Phase
- Pure Sine Wave Output Double Conversion
- Online static bypass, zero transfer time
- High Reliability Microprocessor Control, Self Check
- Intelligent startup in DC mode (cold start function)
- LCD display
- High protection for overload
- Auto restart while AC is recovering
- Automatic recharge, off-mode charging
- Smart battery management, protection for UPS fault



Specifications	
<b>Model</b>	20kVA 3:1 (TED004291)
<b>Power</b>	20kVA / 20kW
Input	
<b>Voltage range</b>	300V - 499V AC (normal load) / 190 - 300V AC (50% load)
<b>Frequency range</b>	40Hz - 70Hz
<b>Total Harmonic Distortion THDi</b>	< 5% with full load
<b>Power factor</b>	> 99%
Output	
<b>AC Voltage Regulation (Batt. Mode)</b>	230V AC
<b>Frequency range (Batt. Mode)</b>	50Hz - 60HZ
<b>Transfer Time / Crest ratio</b>	0ms / 3:1
<b>Waveform / Power Factor</b>	Pure Sine Wave / PF 1 (20kVA/ 20kW)
<b>Overload Capability</b>	100%-110% 10min; 110%-130% 1min; 130%-150% 30s
<b>Harmonic Distortion</b>	THD<3% non-linear load; THD<1% linear load
Battery	
<b>Battery Type &amp; Number</b>	20 x 12V 7Ah / 9Ah (optional: 40 x 12V 7 / 9Ah)
<b>Charging Current</b>	1A - 5A (settable)
<b>Typical Recharge Time</b>	< 8h
General characteristics	
<b>Protection</b>	Full Protect: surge, overload, discharge, overcharge and short-circuit
<b>Transfer Time (inverter to bypass)</b>	0ms
<b>Efficiency (online mode)</b>	> 94% at 100% load, max. 95% at 60% load, > 98% in ECO mode
<b>Output outlets</b>	Terminal Block
<b>Communication Ports</b>	1x USB + (optional) Management SNMP Monitoring
<b>Dimensions D x W x H</b>	UPS: 190 x 495 x 515 mm / Battery Pack 180 x 450 x 600
<b>Net Weight (including batteries)</b>	94.5 kg incl. 20 pcs. battery / 144.5 kg incl. 40 pcs. battery
<b>Operating Humidity/ Temperature</b>	0 - 95%, -25°C - 45°C
<b>Noise Level</b>	< 55dB
<b>Standard interface via Smart USB</b>	Supports Windows, Linux, Unix & BSD