

TTRL3133 Online Tower/Rack 10-60kVA UPS



- True On-Line double conversion UPS
- Tower Rack convertible
- Cosphi 1
- Wide range 10-60kVA/kW
- DSP & PFC
- Generator compatible
- EPO and ECO Mode available
- Parallel operation
- 1φ:1φ / 3φ:1φ / 3φ:3φ

MODEL		10KL	15KL	20KL	30KL	40KL	60KL
PHASE		3 phase in / 3 phase out or 3 phase in / 1 phase out					
CAPACITY	kVA	10	15	20	30	40	60
	kW	10	15	20	30	40	60
PARALLEL CAPABILITY		4					
Input							
Nominal voltage		3x400VAC (3φ+N) or 208/220/230/240VAC (φ-N)					
Voltage range		190-520VAC (3φ) @ 50% load 305-478VAC (3φ) @ 100% load					
Frequency range		46-54Hz or 56-64Hz					
Power factor		≥0.99 @ 100% load					
Output							
Output voltage		3x360/380/400/415VAC (3φ+N) 208/220/230/240VAC (φ-N)				3x360/380/400/415VAC (3φ+N)	
AC voltage regulation (batt mode)		±1%					
Frequency range (synchronized range)		46-54Hz or 56-64Hz					
Frequency range (batt mode)		50Hz ±0.1 or 60Hz ± 0.1					
Crest ratio		3:1					
Harmonic Distortion		≤2% THD (linear load), ≤5%THD (non-linear load)					
Transfer time	MAIN to BATT	0ms					
	INV to BYP	0ms					
Waveform (batt mode)		Pure sinewave					
Overload	AC mode	100-110% 60min, 110-125% min, 125-150% 1min, >150% immediately					
	Batt mode	100-110% 60min, 110-125% min, 125-150% 1min, >150% immediately					
Efficiency							
AC mode		95.5%					
Eco mode		98.5%					
Batt mode		94.5%					

Battery						
Type	Depending on the applications					
Quantity	20pcs	32-40pcs (adjustable)				
Charging current (max)	1-12A				1-16A	
Charging voltage	±13.65VDCxN (N=10)	±13.65VDCxN (N=16-20)				
Physical						
Dimension, DxWxH (mm)	680x438x133 [3U]				797X438X176 [4U]	
Net weight (kgs)	26	28	28	29	40	45
Environment						
Temperature	0-40°C					
Humidity	<95% non-condensing					
Noise level (1m)	<62dB	<65dB			<70dB	
Management						
Smart RS232/USB	Supports Windows, Linux and Mac os					
Optional SNMP	Power management from SNMP manager and web browser					

PowerMe reserves the right to modify technical specifications without prior notice.

PowerME recommends the use of energy-efficient and environmentally friendly solutions, when used correctly and in accordance with the specifications stated in the technical data sheets and user manuals. Warranty coverage is subject to proper usage as described in those documents.

PowerME also recommends compliance with all applicable regulations and safety standards regarding professional qualifications and workplace safety during installation, commissioning, and maintenance of the provided technological solutions.