

On Line High Frequency Modular UPS ATD Modular 60-100K



Technical Features:

- True double-conversion
- Modular design for ease of power expansion, installation and maintenance
- Parallel operation with commo battery design
- Standard 19" form factor with Rack/Tower convertible design
- DSP technology guarantees high performance
- Output power factor 1 (Only 0.8 for ATD 3/3-10K LV)
- Wide input voltage range
- 50Hz/60Hz frequency converter mode
- Eco mode operation for energy saving (ECO)
- Emergency power off function (EPO)
- Generator compatible
- Adjustable battery numbers



Technical Specifications:

MODEL	ATD11-6K LV	ATD33-10K LV
PHASE	1 phase in / 1 phase out	3 phase in / 3 phase out
CAPACITY	6000VA/6000W	10000VA/8000W
PARALLEL CAPABILITY	10	10t
INPUT		
Nominal Voltage	3x360/380/400/415VAC(3Ph+N+PE)	208/220/230/240VAC (1Ph+N+PE)
Voltage Range	190-520 VAC (3-phase) @ 50% load 305-478 VAC (3-phase) @ 100% load	110-300 VAC @ 50% load 176-276 VAC @ 100% load
Frequency Range	40-70Hz	
Power Factor	≅ 0.99 @ 100% load	
THDi	< 4% @ full linear load	
OUTPUT		
Output Voltage	100VAC/110VAC/120VAC /127VAC (2Ph+N+PE)	173VAC/190VAC/200VAC/208VAC/220VAC (3Ph+N)
AC Voltage Regulation [Batt. Mode]	± 1%	
Frequency Range [Synchronized Range]	46-54Hz or 56-64Hz	
Frequency Range [Batt. Mode]	50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz	
Current Crest Ratio	3:1 [max.]	
Harmonic Distortion	≅ 2 % THD (Linear Load) ; ≅ 3 % THD (Non-linear Load)	
Transfer Time	AC Mode to Batt. Mode	zero
	Inverter to Bypass	zero
Waveform [Batt. Mode]	Pure Sinewave	
EFFICIENCY		
AC Mode	91%	91%
ECO Mode	97%	97%
Battery Mode	At Full Load	91%
	Peak	91.50%
BATTERY		
Battery Voltage	± 12V / 9 Ah	
Battery Numbers	8 ~ 10 pcs (adjustable) x 2	
Nominal Voltage	+/-96V (12V x 16 pcs)	
Maximum Voltage	+/- 120V (12V x 20 pcs)	
Minimum Voltage	+/-96V (12V x 16 pcs)	
Charging Voltage	± 109V	
Typical Recharging Time	9 hours recover to 90% capacity	
Charging Current	+/- 4A	
INDICATORS		
LCD/LED Display	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions	
ALARM		
Dimension, D X W X H (mm)	678 X 418 X 132 [3U]	
Net Weight (kgs)	17.6	17.6

*Derate capacity to 90% of capacity when the output voltage is adjusted to 208VAC.
Product specifications are subject to change without further notice

