

On Line High Frequency Modular UPS AT11/31/33 10K(L)



Technical Features:

- 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
- 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 Arena 3/3-10K LV)



Technical Specifications:

MODEL	AT33-10K	AT31-10K	AT11-10K
PHASE	3 phase in / 3 phase out	3 phase in / 1 phase out	1 phase in / 1 phase out
CAPACITY	10000 VA / 10000 W	10000 VA / 10000 W	10000 VA / 10000 W
PARALLEL CAPABILITY	10	10	10
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	360/380/400/415VAC (3Ph+N)	208*/220/230/240VAC(L+N)	208*/220/230/240VAC(L+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	94%		
ECO Mode	97%		
Battery Mode	At Full Load	92.5%	
	Peak	93%	
BATTERY			
Battery Voltage	± 12V / 9 Ah		
Battery Numbers	16 ~ 20 pcs [adjustable] x 2		
Nominal Voltage	+/- 192V (12V x 32 pcs)		
Maximum Voltage	+/- 240V (12V x 40 pcs)		
Minimum Voltage	+/- 192V (12V x 32 pcs)		
Charging Voltage	± 218V		
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)	20.5		

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

