

Three Phase Rack/Tower Online UPS

ATP III RT33

Power: 10 ~ 60KVA, PF1

Input voltage: 3x (380 ~ 415) VAC

Output voltage: 3x (380 ~ 415) VAC

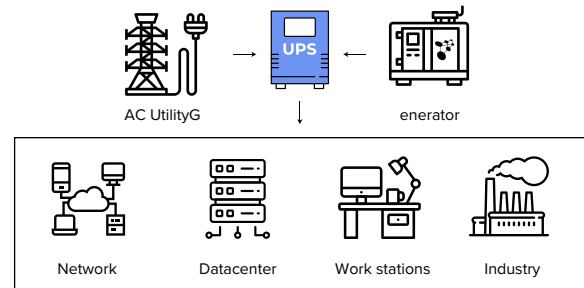


ATP III Rack/Tower 10K-60K is a high-frequency UPS with a superior output power factor at 1, offering high performance and efficiency for critical applications. It provides an affordable solution for your mission-critical load and can be paralleled up to four units, its adjustable current charger (max. to 18A) makes your power deployment more flexible.

Technical characteristics

- True double-conversion.
- LCD screen auto-rotation with Rack position (only for 10K-40K models).
- DSP technology guarantees high performance.
- Output power factor 1.
- Active power factor correction in all phases.
- 50Hz/60Hz frequency converter mode.
- ECO mode operation for energy saving (ECO).
- Emergency power off function (EPO).
- Generator compatible.
- Supports dual AC inputs.
- Adjustable battery numbers.
- Parallel operation with common battery.
- Optional isolation transformer offers full isolation and complete common mode noise rejection.

Typical Field Applications



Technical Specifications

MODEL	ATP III 10KL	ATP III 15KL	ATP III 20KL	ATP III 30KL	ATP III 40KL	ATP III 60KL
PHASE	3-phase in / 3-phase out					
CAPACITY	10KVA/10KW	15KVA/15KW	20KVA/20KW	30KVA/30KW	40KVA/40KW	60KVA/60KW
PARALLEL CAPABILITY	4					
INPUT						
Nominal Voltage	3 x 380/400/415 VAC (3Ph+N) or 208*/220/230/240 VAC (Ph-N)					
Voltage Range	190-520 VAC (3-phase) @ 50% load ; 305-478 VAC (3-phase) @ 100% load					
Frequency	46~54 Hz or 56~64Hz					
Power Factor	≥ 0.99 @ 100% load					
OUTPUT						
Output Voltage	3 x 360*/380/400/415 VAC (3Ph+N) or 208*/220/230/240 VAC (Ph-N)				3 x 360*/380/400/415 VAC (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) ; ≤ 5 % THD (Non-linear Load)					
Transfer Time	AC mode to Battery mode	Zero				
	Inverter to Bypass	Zero				
Waveform (Batt. Mode)	Pure Sinewave					
Overload	AC Mode	100-110% for 60 min, 110-125% for 10 min, 125%~150% for 1 min; >150% for 200ms				
	Battery Mode	100-110% for 60 min, 110-125% for 10 min, 125%~150% for 1 min; >150% for 200ms				
EFFICIENCY						
AC Mode	95.5%					
ECO Mode	98.5%					
Battery Mode	94.5%					
BATTERY						
Battery Type	Depending on the applications					
Battery Numbers	20 pcs	32~40 pcs (Adjustable)				
Charging Current (max.)	1A~12A(Adjustable)				1A~16A (Adjustable)	1A~18A (Adjustable)
Charging Voltage	+/- 13,65 V CC x N (N=10)	+/- 13,65 VCC x N (N=16~20)				
PHYSICAL						
Dimension, D x W x H (mm)	680 x 438 x 133 [3U]					797x438x176 [4U]
Net Weight (Kgs)	27	30	30	32	34	45
ENVIRONMENT						
Operating Temperature	0-40°C					
Operating Humidity	< 95 % and non-condensing					
Noise Level	Less than 62dBA @ 1 Meter	Less than 65dB @ 1 Meter	Less than 65dB @ 1 Meter	Less than 65dB @ 1 Meter	Less than 70dB @ 1 Meter	
MANAGEMENT						
Smart RS-232/USB	Supports Windows® family, Linux and MAC					
Optional SNMP	Power management from SNMP manager and web browser					

