



Server



Telecom



Industrial



Network



Hospitality



Medical

AMB ON Plus 31 UPS Series



40K(L), 30K(L)

20K(L), 10K(L)

- True double-conversion
- DSP technology guarantees high performance
- Output power factor 1
- Active power factor correction in all phases
- 50Hz/60Hz frequency converter mode
- Dual AC inputs
- Emergency power off function (EPO)
- Generator compatible
- Adjustable battery numbers for long-run model
- Maintenance bypass available
- Parallel operation up to 4 units with common battery
- Optional isolation transformer offers full isolation and complete common mode noise rejection

AMB ON Plus 31 Series

MODEL		10K(L)*	20K(L)*
PHASE		3Ph in 1Ph Out	
CAPACITY		10KVA /10KW	20KVA /20KW
PARALLEL CAPABILITY		4	
INPUT			
Nominal Voltage		3 x 400 VAC (3PH + N)	
Voltage Range		110-300 VAC ± 3 % @ 50% load ; 176-276 VAC ± 3 % @ 100% load	
Frequency Range		46~54 Hz or 56~64Hz	
Power Factor		≥ 0.99 @ 100% Load	
Harmonic Distortion (THDi)		< 4% at full linear load	
OUTPUT			
Output Voltage		208/220/230/240 VAC (1Ph + 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 Batt. Mode	Zero	
	Inverter to Bypass	Zero	
Waveform (Batt. Mode)		Pure Sine wave	
Overload Capability	AC Mode	100-110% for 60 min, 111-125% for 10 min, 126%~150% for 1 min; >150% immediately shutdown Battery Mode	
BYPASS			
Nominal Voltage		208/220/230/240 VAC (1Ph + N)	
Voltage Range		-30% ~ +20% (Adjustable)	
Frequency Range (Synchronized Range)		46~54Hz or 56~64Hz	
Overload Capability		> 130% 1 minute (default) ; continuously working until breaker protection (optional)	
EFFICIENCY			
AC Mode		95.5%	
ECO Mode		98.5%	
Battery Mode		94.5%	
BATTERY			
Standard Model	Battery Type	12V/9Ah	12V/9Ah
	Numbers	(10+10) pcs	(16+16) pcs
	Typical Recharge Time	9 hours recover to 90% capacity	
	Charging Current (max.)	1A (Default)	2A (Default)
	Charging Voltage	+/-136.5 VDC	+/-218 VDC
Long-run Model	Battery Type	Depending on the applications	
	Numbers	16~20 pcs (Adjustable)	32~40 pcs (Adjustable)
	Charging Current (max.)	1A ~ 12A (Adjustable)	
	Charging Voltage	+/-13.65V*N (N=8~10)	+/-13.65V*N (N=16~20)
INDICATORS	LCD Panel	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions	
PHYSICAL			
Standard Model	Dimension,DxWxH (mm)	630 x 250 x 826	815 x 300 x 1000
	Net Weight (kgs)	124	207
Long-run Model	Dimension,DxWxH (mm)	630 x 250 x 826	815 x 300 x 1000
	Net Weight (kgs)	37	56
ENVIRONMENT			
Operation Temperature		0-40°C	
Operation Humidity		< 95% and non-condensing	
Altitude**		0 ~ 1500m at full load	
Noise Level		Less than 60 dB@1 Meter	Less than 65 dB @ 1 Meter
MANAGEMENT			
Smart	RS-232 / USB	Supports Windows® Family, Linux and MAC	
Optional	SNMP	Power management from SNMP manager and web browser	

*If output voltage is set as 3 x 360VAC, the output power of the unit will be de-rated to 90%.

**If the UPS is installed or used in a place where the altitude is higher than maximum height, the output power will be derated 1% per 100m.

Product specifications are subject to change without further notice.