



Server



Telecom



Industrial



Network



Hospitality



Medical

AMB-ON-PLUS-33 G2 Series



30K(L), 40K(L), 60K(L)



10K(L), 20K(L)

- True Online Double Conversion
- DSP technology guarantees high performance
- Output power factor 1.0
- 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
- SNMP+USB+RS-232 multiple communications
- 3-stage extendable charging design for optimized battery performance
- Adjustable battery numbers for long-run model
- Maintenance bypass available
- Optional parallel operation
- Optional isolation transformer offers full isolation and complete common mode noise rejection

MODEL		10K(L)	20K(L)
PHASE		3-Phase in / 3-Phase out	
CAPACITY		10KVA / 10KW	20KVA / 20KW
PARALLEL CAPABILITY		4	
INPUT			
Nominal Voltage		3 x 400 VAC (3Ph+N)	
Voltage Range		190-520VAC (3-Phase) @ 50% load ; 305-478 VAC (3-Phase) @ 100% load	
Frequency Range		46-54 Hz or 56-64 Hz	
Power Factor		≥ 0.99 @ 100% load	
Harmonic Distortion (THDi)		<4% at full linear load	
OUTPUT			
Output Voltage		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)		50/60 Hz ± 1% or 60 Hz ± 1%	
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 Sine wave	
Overload Capability		100-110% for 60min, 110-125% for 10 min, 125%~150% for 1 min; >150% immediately shutdown	
BYPASS			
Nominal Voltage		3 x 380/400/415 VAC (3Ph+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
	Charging Current (max.)	1A (Default)	
	Charging Voltage	±136.5 VDC	±218 VDC
Long-run Model	Battery Type	Depending on application	
	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			
Touch color 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	630 x 250 x 826
	Net Weight (Kgs)	124	139
Long-run Model	Dimension, DxWxH (mm)	630 x 250 x 826	630 x 250 x 826
	Net Weight (Kgs)	37	43
ENVIRONMENT			
Operating Temperature		0-40°C	
Operating 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	

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MODEL		30K(L)	40K(L)	60K(L)
PHASE		3-Phase in / 3-Phase out		
CAPACITY		30KVA / 30KW	40KVA / 40KW	60KVA / 60KW
PARALLEL CAPABILITY		4		
INPUT				
Nominal Voltage		3 x 380/400/415 VAC (3Ph+N)		
Voltage Range		190-520VAC (3-Phase) @ 50% load ; 305-478 VAC (3-Phase) @ 100% load		
Frequency Range		46~54 Hz or 56~64 Hz		
Power Factor		≥ 0.99 @ 100% load		
Harmonic Distortion (THDi)		≤ 2% THD (Linear Load) ; ≤ 5% THD (Non-linear Load)		
OUTPUT				
Output Voltage		3 x 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)		50/60 Hz ± 1% or 60 Hz ± 1%		
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 Sine wave		
Overload Capability		100-110% for 60min, 110-125% for 10 min, 125%~150% for 1 min; >150% immediately shutdown		
BYPASS				
Nominal Voltage		3 x 380/400/415 VAC (3Ph+N)		
Voltage Range		305VAC~457VAC		
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/7Ah	12V/9Ah	
	Numbers	(16+16)pcs x 2 strings	(16+16)pcs x 2 strings	
	Charging Current (max.)	2A (Default)		N/A
	Charging Voltage	±218 VDC		
Long-run Model	Battery Type	Depending on application		
	Numbers	± 16 ~ ± 20 (Adjustable)		
	Charging Current (max.)	1A- 12A (Adjustable)	1A-18A (Adjustable)	
	Charging Voltage	+/-13.65V*N (N = 16~20)		
INDICATORS				
Touch color LCD Panel		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions		
PHYSICAL				
Standard Model	Dimension, DxWxH (mm)	815 x 300 x 1000	815 x 300 x 1000	
	Net Weight (Kgs)	207	233	
Long-run Model	Dimension, DxWxH (mm)	815 x 300 x 1000	815 x 300 x 1000	815 x 300 x 1000
	Net Weight (Kgs)	55	56	74
ENVIRONMENT				
Operating Temperature		0-40°C		
Operating Humidity		< 95 % and non-condensing		
Altitude**		0 ~ 1000m at full load		
Noise Level		Less than 65 dB @ 1 Meter	Less than 70 dB @ 1 Meter	
MANAGEMENT				
Smart RS-232/USB		Supports Windows® Family, Linux and MAC		
Optional SNMP		Power management from SNMP manager and web browser		

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