



AMB Tronic®

the power to lead



AMB-ON-PLUS-33 UPS Series 100-200kVA



Server



Telecom



Industrial



Network



Hospitality



Medical

ambtronic.com



- DSP technology guarantees high performance
- Output power factor 1.0
- Pluggable power module design
- Front access design for easy maintenance
- Active power factor correction in all phases
- Emergency power off function (EPO)
- Dual AC inputs
- Parallel operation up to 4 units with common battery
- Power walk-in function while parallel operation
- Generator compatible
- Adjustable battery numbers
- Maintenance bypass available
- 3-stage extendable charging design for optimized battery performance
- Optional isolation transformer offers full isolation and complete common mode noise rejection

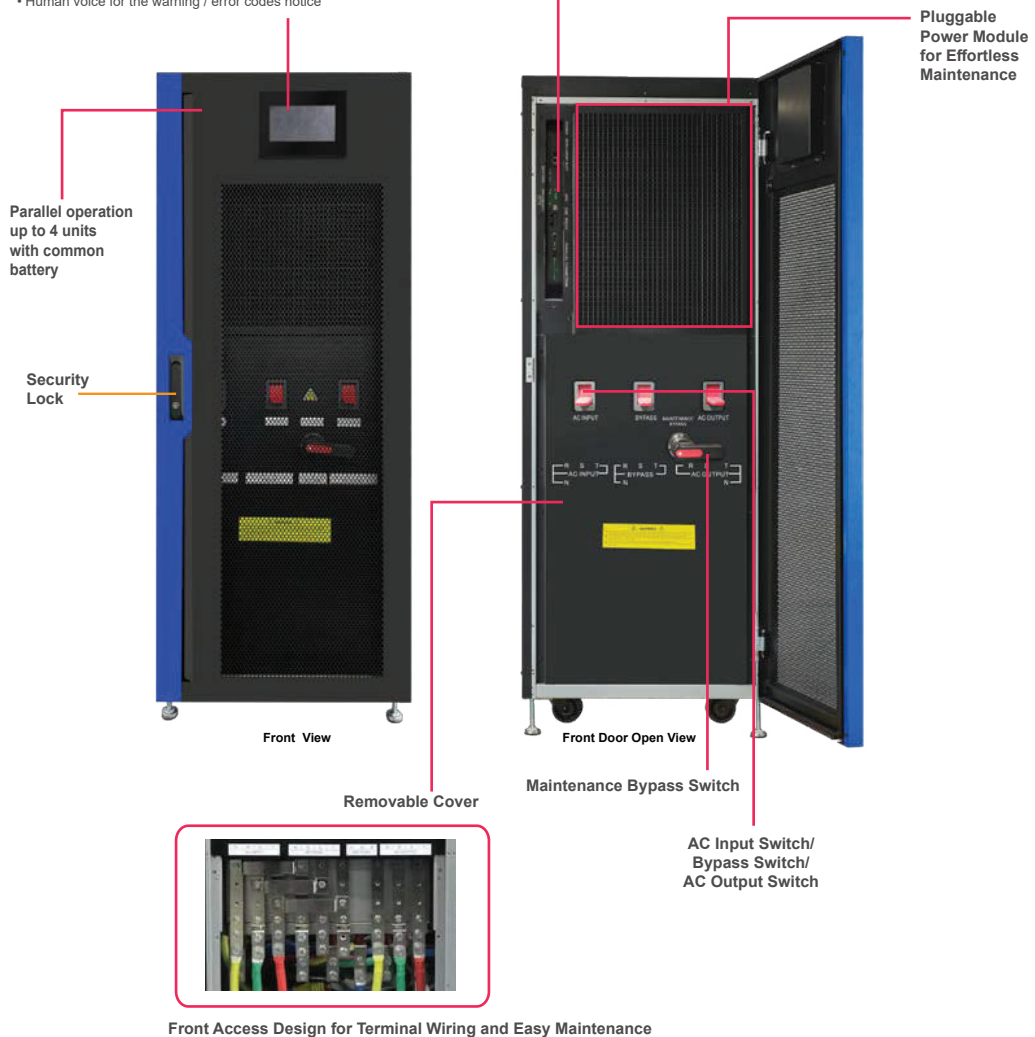
Product Outlook

7" touch LCD screen (for 100K-200K models)

- Customized logo and startup music
- Dynamic password optimizes service performance
- Adjustable charging current via LCD panel
- Human voice for the warning / error codes notice

Standard multiple communication available

- Two optional advanced communications for selection:
 - Dry contact with 8 inputs and 6 outputs
 - Battery temperature, USB OTG, CAN, RS485 and EMBS



MODEL	100KL	120KL	180KL	200KL
PHASE	3-phase in / 3-phase out			
CAPACITY	100KVA / 100KW	120KVA / 120KW	180KVA / 180KW	200KVA / 200KW
PARALLEL CAPABILITY	4			
INPUT				
Nominal Voltage	3 x 360/380/400/415 VAC (3Ph+N)			
Voltage Range	110-300 VAC @ 50% load ; 176-276 VAC @ 100% load			
Frequency Range	40~70 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%			
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 Capability	100-110% for 60 min, 111-125% for 10 min, 126%~150% for 1 min; >150% immediately shutdown			
BYPASS				
Nominal Voltage	3 x 360/380/400/415 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	N/A		
	Numbers			
	Charging Current (max.)			
	Charging Voltage			
Long-run Model	Battery Type	Depending on application		
	Numbers	32~40 pcs (Adjustable)		
	Charging Current (max.)	2-36A, Adjustable	3-54A, 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)	N/A		
	Net Weight (Kgs)			
Long-run Model	Dimension, DxWxH (mm)	974 x 600 x 1600		
	Net Weight (Kgs)	250	250	340
ENVIRONMENT				
Operating Temperature	0-40°C			
Operating Humidity	< 95 % and non-condensing			
Altitude**	0 ~ 1000m at full load			
Noise Level	Less than 75 dB @ 1 Meter			
MANAGEMENT				
Smart RS-232/USB	Supports Windows® Family, Linux and MAC			
Optional SNMP	Power management from SNMP manager and web browser			

*When output voltage is set as 3 x 360VAC or 3 x 380VAC, 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.

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