

Features:

- High frequency, double conversion online technology
- Input can be configured for either 3:1 or 1:1 operation
- Rotatable LCD – suitable for 19” rack or slim tower
- Fully digitised DSP control
- Wide input voltage range
- Cold start and programmable auto re-start functions
- Advanced battery management
- Selectable ECO mode for high efficiency operation
- Automatic battery charge in UPS off mode
- Lightning and surge protection
- Short circuit and overload protection
- Automatic fan speed control with load variation
- Emergency Power Off facility
- Smart RS232 and USB comms with monitoring software
- Optional relay or SNMP communications card
- Matching APB2000 battery pack available



Specifications

UPS Model		AP21306RE	AP21310RE
Capacity		6kVA/5.4kW	10kVA/9kW
Topology		True Online	
Input	Nominal Voltage	380/400/415V AC or 220/230/240VAC	
	Voltage Range	304-478VAC or 120-276VAC	
	Phase	Single or Three Phase	
	Frequency	40-70Hz	
	Power Factor	>0.99	
Output	Voltage	208/220/230/240 ±2%	
	Phase	Single Phase	
	Power Factor	0.9 with 20 batteries, 0.8 with 18 batteries, 0.7 with 16 batteries	
	Frequency Range	50-60Hz ±0.2Hz	
	THD (Linear Load)	<3%	
	THD (Non-Linear Load)	<5%	
	Efficiency	>90%	
	Overload Capability	105% to 110%, 60 min, 110% to 125%, 10 min, 125% to 150%, 1 min, ≥ 150% 200 ms	
	Crest Factor	3:1	
	Short Circuit Protection	Yes	
	Waveform	Sine Wave	
	Transfer Time	0ms	
Connections	Hardwired	Hardwired	
Parallel	Parallel Capable	Yes	
	Max. Parallel Units	4	
Battery	Battery Model	Variable	
	DC Voltage	192/216/240VDC	
	Battery Type & Qty	16, 18, 20	
	Backup At Half Load	Variable	
	Backup At Full Load	Variable	
	Charge Current	10A	
	Recharge Time	Depends on External Battery Capacity	
	Battery Pack	APB2000	
Max. Battery Pack Qty	10		



Specifications

UPS Model		AP21306RE	AP21310RE
Environment	Operating Temperature	0-40°C	
	Relative Humidity	0-95%	
	Altitude	<1500m	
	Storage Temperature	- 25°C - +55°C	
	Noise Level	<55dB	
	Heat Loss (kW)	0.6kW	1kW
Communication	Standard	Standard RS485/USB/Parallel Port	
	SNMP	SNMP/2 (Optional)	
	VFC	RELAY/2 (Optional)	
Display	LCD Display	Yes	
	LED Indication	Yes	
Safety and EMC		IEC62040-1; IEC62040-2; IEC62040-3; CE	
Weights & Dims	Net Weight	30kg	31kg
	Dimensions (H x W x D)	131 x 443 x 690 mm	131 x 443 x 690 mm
Standard Accessories	User Manual	Software/IO Leads/Data Leads/ O&M Manual	
	Control Software	With SNMP Card	
	Data Leads	R232 & USB	R232 & USB