



FEATURES:

- 15-30KVA in 4 ratings.
- Sophisticated high specification on line configuration with static switch.
- State of the Art IGBT based pulse width modulation (PWM) technology to reduce harmonic distortion and increase both crest factor tolerance and dynamic stability.
- Higher efficiency of operation means Aplab UPS has significantly lower running costs than leading competitors.
- Continuously delivers full rated power at ambient as high as 45°C.
- Parallel operation of UPS.
- Comprehensive indication of normal and fault conditions.
- Simple operating controls.
- Compatible with sealed maintenance free battery as well as tubular lead acid batteries.
- Compact cabinet & ultra light weight.
- Easy installation with wheels for manoeuvrability and front bottom terminals.
- Optional remote status panel.

15KVA TO 30KVA UPS SYSTEMS 3 PHASE IN/1 PHASE OUT

SPECIFICATIONS

MODEL		LP1015	LP1020	LP1025	LP1030
RATED POWER*		15KVA	20KVA	25KVA	30KVA
INPUT					
VOLTAGE	Nominal	400V AC			
	Range	340V AC to 460V AC			
FREQUENCY	Nominal	50Hz			
	Range	47Hz to 53Hz			
PHASE		Three phase, 4 wire			
AC TO AC EFFICIENCY		≥87% peak		≥88% peak	
OUTPUT					
POWER MAX.		15KVA/12KW	20KVA/16KW	25KVA/20KW	30KVA/24KW
CURRENT		65.2 Amps	87.0 Amps.	109 Amps.	30 Amps.
VOLTAGE		230V AC			
VOLTAGE REGULATION		±1% typical			
FREQUENCY		50Hz			
FREQUENCY STABILITY		±0.5Hz (In desync mode), (optional ±0.05Hz)			
PHASE		Single phase			
WAVEFORM		Sine wave			
TOTAL HARMONIC DISTORTION		Less than 2% with linear load			

*@ pf 0.8 lag



SPECIFICATIONS

MODEL	LP1015	LP1020	LP1025	LP1030
TRANSIENT RESPONSE (100% Load Step)	Less than $\pm 5\%$			
RESPONSE TIME	Less than 60 milli-seconds to reach within $\pm 2\%$			
LOAD POWER FACTOR RANGE	Unity to 0.8 lag within specified max. output power ratings			
OVERLOAD RATING	a) 1/2 hour 120% b) 10 seconds 150% c) 10 cycles 200%			
PROTECTIONS	a) Input over/under voltage b) Phase fail c) Overload at the output d) SOAR protection for IGBTs e) Output AC over/under voltage g) High speed fuses for semi-conductor devices h) Snubber circuits for power semi-conductor devices			
TRANSFER TIME	a) Less than 5 milli-seconds from inverter to mains in sync mode b) Less than 5 milli-seconds from mains to inverter in sync mode			
INDICATIONS	a) Mains on b) Inverter on c) Battery on charge d) Load on inverter e) Load on bypass f) Manual bypass On g) Mains abnormal h) Low battery imminent j) DC O/U voltage j) Inv. O/U voltage k) Inverter overload l) Overheat			
AUDIBLE ALARM	For conditions from (e) to (l) a local buzzer operates			
REMOTE INDICATIONS	A potential free contact is provided for fault indications and alarm (optional)			
COMPUTER INTERFACE	RS-232 (optional)			
METERING	16x2 LCD to measure the following: a) AC input b) AC output voltage c) Load percentage d) DC voltage e) Battery percentage f) Output frequency			
BATTERY				
NOMINAL VOLTAGE	384V DC			
TYPE	Sealed maintenance free/tubular lead acid battery			
STANDBY PERIOD (Full Load at 0.8 P.F.)	30 minutes (can be increased upto 2hrs and extended further on request)			
GENERAL				
OPERATING TEMPERATURE	0 to 45°C			
STORAGE	-20°C to +65°C			
FINISH	RAL: 9016 (white) & 293C (blue)			
RELATIVE HUMIDITY NON CONDENSING	0 to 95%			
ENCLOSURE PROTECTION	IP-21			
DIMENSIONS (mm)	1225H (w/o wheels) x 500W x 800D		1325H (w/o wheels) x 600W x 800D	
WEIGHT (approx)	210 Kgs.	230 Kgs	320Kgs	355 Kgs.

We pursue a policy of continuous development & product improvement. Specifications & front panel controls, may be subject to change, without notice.



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