



## FEATURES:

- 15-30KVA in 4 ratings.
- Can feed 100% unbalanced load and still maintain  $\pm 1\%$  regulation per phase.
- 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.
- Excellent unbalanced line & load performance.
- 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/3 PHASE OUT

### SPECIFICATIONS

MODEL	LP3015	LP3020	LP3025	LP3030
RATED POWER*	15KVA	20KVA	25KVA	30KVA
<b>INPUT</b>				
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	$\geq 85\%$ peak		$\geq 87\%$ peak	
<b>OUTPUT</b>				
POWER MAX.	15KVA/12KW	20KVA/16KW	25KVA/20KW	30KVA/24KW
CURRENT/PHASE	21.7 Amps.	29.0 Amps.	36.2 Amps.	43.5 Amps.
VOLTAGE	400V AC			
VOLTAGE REGULATION	$\pm 1\%$ typical			
FREQUENCY	50Hz			
FREQUENCY STABILITY	$\pm 0.05\%$ (in desync mode)			
PHASE	Three phase & neutral			
WAVEFORM	Sine wave			
TOTAL HARMONIC DISTORTION	Less than 2% with linear load			

\* @ pf 0.8 lag



## SPECIFICATIONS

MODEL	LP3015	LP3020	LP3025	LP3030
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/output voltage per phase b) Load percentage c) DC voltage d) Battery percentage e) Output frequency			
<b>BATTERY</b>				
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)			
<b>GENERAL</b>				
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)	1325H (w/o wheels) x 600W x 800D			
WEIGHT (approx)	250 Kgs.	300 Kgs.	350 Kgs.	375 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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