

AsiaPower UPS - APLF33 Series (20KVA-200KVA)

Power Backup + Protection

**Give Protection from Power impurities.
Save your work & equipment when Power goes.**



AP-LF33 series online intelligent digital UPS congregates the essence of Asia Powercom and uses state of art technology in traditional simulation circuit era. It adopts the digital control technology of which the core is high speed MCU and uses the sixth generation low-exhaust, high power IGBT and static switch as power components. Guided by these most advanced technologies in the world, it is really a first class product.

AP-LF33 series UPS also adopts 4 layer PCB. The capacity can be from 20KVA-200KVA, widely applied in the telecommunication sectors, computers, data centers, BPO, banks and Financial Institutions, etc.

Main Features:

- ◇ Pure sine wave output, true on-line double conversion design with isolation.
- ◇ Adopt 4 layer PCB, and SMD technology.
- ◇ Using sixth generation IGBT, the inverter has high efficiency, low temperature, high reliability.
- ◇ Touch screen display, with the simple operation and Intuitive data and optional display language.
- ◇ With Isolation Transformer, low frequency design.
- ◇ Set the work mode on the display directly, UPS mode, ECO mode, EPS mode.
- ◇ Provides Intelligent detection on LCD display panel, all power's supply working status, breaker status, and all circuits working status.
- ◇ Accepts 100% imbalanced load without change over to bypass.
- ◇ Cold start
- ◇ Generator compatible
- ◇ RS232 and RS485 standard feature.
- ◇ Optional SNMP and dry contact connection.
- ◇ Adjustable battery charger current.

AsiaPower

keeping your technology alive

UPS with Built in Battery - Plug & Play - 1 year warranty

Specifications:

Model	AP-LF33-20K	AP-LF33-30K	AP-LF33-40K	AP-LF33-60K	AP-LF33-80K	AP-LF33-100K	AP-LF33-120K	AP-LF33-160K								
Normal Capacity (KVA)	20KVA	30KVA	40KVA	60KVA	80KVA	100KVA	120KVA	160KVA								
INPUT																
Work Principles	Pure sinewave online, double conversion with isolation															
Phase	3 Phase + N + G															
Input Power Factor	> 0.75 at full load, > 0.95 with 12 pulse															
Rectifier Type	6 pulse (input filter and 12 pulse optional)															
Input THDi	< 30% with 6 pulse, < 8% with 12 pulse rectifier															
Nominal Input Voltage	220/380VAC, 230/400VAC, 240/415VAC															
Range	± 25%															
Nominal Input Frequency	50Hz ± 10%, 60Hz ± 10%															
Output Ripple	< 2%															
Soft Start	0 ~ 100% 5 sec															
CHARGER																
Charge Mode	Constant current to constant voltage, with temp compensation; with auto change															
Float Voltage	432VDC															
Boost Voltage	464VDC															
Temperature Compensation Volt.	3mV/ 1 pcs															
Charge Current	0.1C (automatically change depending on connected battery)															
Charge Frequency	20% of rated capacity															
BATTERY																
Battery Type	Maintenance free lead acid battery															
Battery Capacity	7 ~ 999A settable (according to capacity)															
Battery Number	32 pcs 12V or 192 pcs 2V (nominal voltage 384VDC)															
INVERTER																
Phase	3 Phase + N															
Capacity (Load PF)	Rated capacity x 0.8															
Nominal Voltage	220/380VAC, 230/400VAC, 240/415VAC															
Output Voltage Stability	± 1% (stable load), ± 3% (fluctuant load)															
Output Frequency Stability	50Hz/ 60Hz < ± 0.5%															
Crest Factor	> 3:1															
Output Waveform Distortion	Sine wave, linear load < 3%; non-linear load < 5%															
Dynamic Characteristic	Instant voltage < ± 5% (from 0 to 100%), Instant recover time < 10ms															
Unbalanced Load Voltage	< ± 5%															
Overload Protection	125% 10 m; 150% 30 Sec; 200% 200 ms															
Efficiency	> 95% (full load)															
BYPASS																
Phases	3 Phase + N															
Nominal Voltage	220/380VAC, 230/400VAC, 240/415VAC															
Transfer Time	< 1ms (static switch with 0 transfer time)															
PROTECTION																
Input Protection	Input voltage/frequency over limited; wrong phase; lack phase															
Output Protection	Over current short circuit; factor low protection															
Battery Protection	Over charge : over discharge protection															
Temperature Protection	Ambient over temperature protection; inverter over temperature protection															
Hardware Failure Protection	Power abnormal, breaker cut off, breaker overload, power component over current/over voltage etc. protection															
SYSTEM PARAMETERS																
Working Environment	Temp: 0-40°C, relative humidity 30% - 90%; (a 1% decrease against 100 meters rise. Altitude 4000m MAX)															
Cooling Down Method	Compulsive Ventilation (with temperature control)															
Communication Interface	RS232, Rs485 optional SNMP card (for internet long-distance monitoring)															
Redundancy Function	In series or N + 1 parallel (optional)															
Anti-surge Capacity	10/700 μS, 5KV; 8/20 μS, 20KA															
Protection Level	IP21															
Safety Performance	Vin-n Vout-n 3000VAC, creepage < 3.5 mA isolation resistance > 3M (500 VDC)															
Noise (dB)	48-55		55-60			60-65										
Quality	ISO9001:2000															
Dimension (WxDxH) mm	430x750x1080		480x895x1200			980x800x1800		980x800x1800								
Weight (Kg)	350		400		480		580		850		920		1090		1300	

All specifications are subject to change without prior intimation