

CLIPPERS

LITHIUM BATTERY SERIES



High-Level Online UPS

5KL

Applications:



Data Center



Telecom



Networking



Computer

Professional On-Line UPS Solutions

Ideal for medium-density power protection demand, power guardian. Clippers LB UPS are designed as long time model which brings flexibility to attach with various capacities of external battery banks. Besides, IT personnel can manage equipment well from learning intuitive information via LCD display

GENERAL FEATURES

- True double-conversion
- Output power factor=1
- Output voltage regulation < 1%
- Higher output crest ratio 3:1
- 50Hz/60Hz frequency converter mode
- Emergency power off function (EPO)
- Up to 60A Built-in super charger to shorten charging hours
- Parallelable up to 9 pcs



TECHNICAL SPECIFICATIONS

MODEL		CLIPPERS LB 5KL	
PHASE		Single phase with ground	
CAPACITY		5000 VA / 5000 W	
INPUT			
Voltage		220/230/240 VAC	
Voltage Range		110-300 VAC ± 3% @ 50% load 176-300 VAC ± 3% @ 100% load	
Frequency Range		46~54 or 56~64 Hz	
Harmonic Distortion(THDi)		< 6% (50% load) < 4% (100% load)	
Power Factor(@100% load)		≧ 0.99 @ nominal voltage	
OUTPUT			
Voltage		220/230/240 VAC	
AC Voltage Regulation (Batt. Mode)		± 1%	
Frequency Range (Synchronized Range)		46~54 Hz or 56~64 Hz	
Frequency Range (Batt. Mode)		50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz	
Harmonic Distortion	Linear Load	< 1%	
	Non-linear load	< 4%	
Transfer Time	AC Mode to Batt. Mode	0 ms	
	Inverter to Bypass	0 ms	
Waveform		Pure sine wave	
EFFICIENCY			
AC Mode@full charged battery		93.0%	
ECO Mode@full charged battery		99.5%	
Battery Mode		91.0%	
BATTERY			
Battery Type		Lithum Battery	
Numbers		16 ~ 20	
Charging Voltage(Vdc ± 1%)		54.6	
Charging Current(MAX)		60 A	
PHYSICAL			
Dimension, D x W x H (mm)		420 x 438 x 133 (3U)	
Net Weight (without battery kgs)		15	
Communication Interface		RS232 & USB	
OPERATING ENVIRONMENT			
Humidity(non-condensing)		20-95 % RH @ 0- 40°C	
Noise Level (@ 1 Meter)		≦58 dBA	
Altitude(Max 3000m)		10% de-rating for over 1000m	
OPERATING ENVIRONMENT			
Smart RS-232/USB		Supports Windows® 2000/2003/XP/Vista/2008/7/8/10, Linux and MAC	
SNMP(Optional)		Power management from SNMP manager and web browser	
STANDARD			
EMC/safety		EMC EN62040-2 C2 for CE models	

* Product specifications are subject to change without further notice

Backup Time Table for Clippers Series		Backup Time with Load (Min)			
	Battery Bank	25%	50%	75%	100 %
CLIPPERS 5KL	+1 PS5120E	205	88	53	37

