

# LS31 6KVA - 10KVA

Low Frequency Online UPS Legend Star Series

LS31 6KVA - 10KVA (3ph in / 1ph out)



## Key Features:

- Galvanic isolation design to withstand all kinds of loads
- Output power factor 0.8
- Fully coating PCBAs to withstand harsh environment
- Unique ventilation design for effective heat dissipation
- Wide input voltage and frequency range to withstand robust environment
- High short-circuit and overload capabilities
- Built-in maintenance bypass switch

# Technical Specification:

Model	LS31 6K	LS31 10K
Capacity	10KVA / 8KW	15KVA / 12KW
Phase	3-Phase in / 1-phase out	
INPUT		
Nominal Voltage	3 * 360Vac / 380Vac / 400Vac (3Ph + N + G)	
Voltage Range	286Vac ~ 493Vac @ 16pcs of batteries; 320Vac ~ 493Vac @ 18pcs of batteries;	
Rated Frequency	50Hz / 60Hz	
Frequency Range	46Hz ~ 54Hz @50Hz; 56Hz ~ 64Hz @60Hz	
OUTPUT		
Output Voltage	208V/220VAC/230VAC (Se lectable)	
Voltage Regulation	±1%	
Frequency Range (Synchronized Range)	45Hz ~ 55Hz or 56Hz ~ 64 Hz	
Frequency Range (Batt. Mode)	50Hz ± 0.1Hz or 60Hz ± 0.1Hz	
Current Crest Ratio	3:1	
Harmonic Distortion	≤3 % THD (Linear Load) ; ≤5 % THD (Non-linear Load)	
Transfer Time	AC to DC	Zero
	Inverter to Bypass	Zero
Waveform (Batt. Mode)	Pure Sine Wave	
EFF ICIENCY		
AC Mode	83%	
Battery Mode	92%	
BATTERY		
Battery Type	Depending on the applications	
Numbers	16pcs / 18pcs	
Charging Current (max.)	Default :8 A; 2AV4A/BA(Adjustable)	
Charging Voltage	218.4V ± 1% / 245.7V ± 1%	
INDICATORS		
LCD	UPS status, load level, battery level, input/output voltage and frequency, fault code/warning code	
AL ARM		
Battery Mode	Sounding every 4 seconds	
Low Battery	Sounding every second	
Overload	Sounding twice every second	
Fault	Continuously sounding	
PHYSICAL		
Dimensions, DxWxH (mm)	592*300*826	
Net Weight (Kgs)	84	118
package Size, D * W * H (mm)	690*370*940	690*420*900
Gross Weight(KGS)	98	133
ENVIRONMENT		
Operating Temperature	0 ~ 50°C (battery lifecycle will be shorten when temperature is above 25°C)	
Operating Humidity	<95% (non-condensing)	
Noise Level	Less than 60dB @ 1 Meter	
MANAGEMENT		
Modbus RS-232/RS485	Supports Windows®Famil, Linux and MAC	
Optional SNMP	Power management from SNMP manager and web browser	
*Product Specifications are Subject to Change Without Notice.		