

High Power Series Online LF UPS 100-800Kva

High Power series is a fully DSP controlled high-level industry UPS with capacity up to 800kVA.

Based on nowadays the most advanced DSP(TI 2833X CPU), MCU, CPLD ect ,and more than 20nos leading innovative technology ,this UPS has become a perfect robust and cost-effective power solution, optimizing the minimal operating cost for end users.

Its extremely high reliability can solidly ensure the continuous availability of power and safe operations for all types of critical load.

Fully DSP technology with extremely low cycle current,it can be parallel up to 8 units for redundancy or capacity expanding purpose.

Super reliability and excellent performance based on innovative solution,it definitely ensures your business away from any power problem!

MAIN FEATURES:

1. World Leading technology

- ◆ The state-of-art fully DSP online double conversion technology
- ◆ Super wide input voltage/frequency range, adapt to harsh utility environments
- ◆ Soft start with settable time 6-100seconds , more compatible with generator
- ◆ Output power factor 0.9(1.0optional), and output short-tolerant capability
- ◆ Intelligent self diagnosis, mass memory(1000 events) to record operation log
- ◆ Super long MTBF \geq 200000 hours, and short MTTR
- ◆ Intelligent parallel up to 8 units and parallel ECO Mode.
- ◆ Most intelligent digital equal current parallel technology,self-load share algorithm
- ◆ Single Mode ECO and parallel ECO available
- ◆ Independent cooling system, muti-protection design, ensuring high reliability with kinds of harsh environments
- ◆ Output short-tolerant ability,
- ◆ ABM technology, extremely low ripple current to extend battery lifespan
- ◆ Frequency convertor mode function
- ◆ Emergency Power Off(EPO)

2. Super Reliability

- ◆ Fully DSP control with output isolation transformer, super reliability.
- ◆ Redundant SPS,fan etc. design, enhancing system reliability.
- ◆ Build-in output isolation transformer, eliminate neutral to ground drifting voltage, and isolate load harmonic current influence to inverter.
- ◆ Besides highest design technology,only qualified famous brand components used.
- ◆ Conformal-coating PCB fixed in sealed box,keeping away from outside effect

3.Communication interface:

- ◆ Build-in various communication connectors (RS232, RS485, AS400etc).
- ◆ Optional cards available: SNMP, battery management kit,
- ◆ Lighting proof module, dust proof filter etc.
- ◆ Cold start function



4. Easy Operation

- ◆ Front side maintenance, top or bottom wiring connection, with protective equipment.
- ◆ Friendly human machine interface, with 7inch touch screen

Perfect Application:

- ◆ Middle and large Data centers
- ◆ Server-rooms, Finance&Insurance,
- ◆ Telecommunications,
- ◆ Education & Medical,
- ◆ Petroleum&Oil
Chemical, Iron&Steel etc.
- ◆ Large stadium, Theater, Harbor,
- ◆ Traffic facilities etc.

Optional:

- ◆ Upper wiring kit
- ◆ SNMP card
- ◆ Battery thermal sensor
- ◆ Parallel kit
- ◆ Bypass load share choke
- ◆ LBS cable
- ◆ Dry contact card
- ◆ 5th filter
- ◆ 11th filter
- ◆ BCB kit
- ◆ Battery grounding fault detector



Specification:

Capacity		80kVA		100kVA		120kVA		160kVA		200kVA		300kVA		400kVA	
		72kW		90kW		108kW		144kW		180kW		270kW		360kW	
		6P	12P	6P	12P	6P	12P	6P	12P	6P	12P	6P	12P	6P	12P
Input	Wiring connection	Three phase+Ground													
	Nominal voltage	380/400/415VAC													
	Voltage range	285VAC~498VAC													
	Frequency	50/60Hz													
	Frequency range	45-65Hz													
	Soft start	5-600sec settable													
	Power factor	0.95 (with input filter)													
Bypass	Nominal voltage	380/400/415VAC (Three phase+Neutral+Ground)													
	Frequency	50/60Hz±10%													
	Voltage range	±10%, ±15%, ±20% settable													
Output	Nominal voltage	380/400/415VAC (Three phase+Neutral+Ground)													
	Voltage regulation	±1% (balance load) , ±2% (100% unbalance load)													
	Power factor	0.9 (1.0 optional)													
	Dynamic response	±5% (0~100% load transient)													
	Distortion	<1% (100% linear load) , <3% (100% non-linear load)													
	Transient response	<5ms													
	Sync. Range	±2Hz(±0.5—±3Hz settable)													
	Overload	105% continue, 110% 1Hr, 125% 10min, 150% 1min													
	Frequency	±0.05%													
Efficiency	Inverter mode	Up to 94%													
	ECO mode	98%													
Parallel	N+X	Max 8 units													
Battery	Configurtation	12V,32 pieces default(30~34pieces settable)													
Display	LCD + LED														
Physical	Dimension (mm)	Depth	855												
		Width	890	1415	890	1415	890	1415	1245	1770	1245	1770	1640		2265
		Height	1900												
	Weight (Kg)	960	1390	960	1390	960	1390	1075	1685	1075	1685	1630	2290	2105	2500
Environment	Temperature	0-40℃													
	Humidity	0-95% non condensing													
	Noise (1m)	67dB													
Connective	RS-232/(USB option)	Support windows2000/XP/7/Linux/Unix/Mac													
	SNMP	Support remote control through web browser													
Standard	Anti-thunder	D grade													
	Safty	IEC60950-1,IEC62040-1-1													
	EMC	IEC62040-2,IEC62040-3													

Capacity		500kVA/450kW	600kVA/540kW	800kVA/720kW	
		12P	12P	12P	
Input	Wiring connection	Three phase+Ground			
	Nominal voltage	380/400/415VAC			
	Voltage range	285VAC~498VAC			
	Frequency	50/60Hz			
	Frequency range	45-65Hz			
	Soft start	5-600sec settable			
	Power factor	0.95 (with input filter)			
Bypass	Nominal voltage	380/400/415VAC (Three phase+Neutral+Ground)			
	Frequency	50/60Hz±10%			
	Voltage range	±10%, ±15%, ±20% settable			
Output	Nominal voltage	380/400/415VAC (Three phase+Neutral+Ground)			
	Voltage regulation	±1% (balance load) , ±2% (100% unbalance load)			
	Power factor	0.9 (1.0 optional)			
	Dynamic response	±5% (0~100% load transient)			
	Distortion	<1% (100% linear load) , <3% (100% non-linear load)			
	Transient response	<5ms			
	Sync. Range	±2Hz(±0.5—±3Hz settable)			
	Overload	105% continue, 110% 1Hr, 125% 10min, 150% 1min			
	Frequency	±0.05%			
	Waveform	Pure sine wave			
Efficiency	Inverter mode	Up to 94%			
	ECO mode	98%			
Parallel	N+X	Max 8 units			
Efficiency	Line mode	Up to 94%			
	ECO mode	98%			
Parallel	N+X	Max 8 units			
Battery	Configurtation12V*40PCS(38-42PCS settable)				
Display	LCD + LED				
Physical	Dimension (mm)	Depth	855	855	855
		Width	2700	3000	3800
		Height	1900	1900	1900
	Weight (Kg)		3000	3500	4100
Environmen	Temperature	0-40℃			
	Humidity	0-95% non condensing			
	Noise (1m)		71dB	73dB	76dB
Connective	RS-232/(USB)	Support windows2000/XP/7/Linux/Unix/Mac			
	SNMP	Support remote control through web browser			
Standard	Anti-thunder	D grade			
	Safty	IEC60950-1,IEC62040-1-1			
	EMC	IEC62040-2,IEC62040-3			

Note: Specification is subject to change without further notice.

Customized according to customer requirement available, 3phase 208Vac or 480Vac etc.