

PE II Series Online LF UPS 100-800kVA

PE II 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 technology with output isolation transformer
- ◆ 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 1.0optional, and output short-tolerant capability
- ◆ Intelligent self diagnosis, mass memory(10000 events) to record operation log
- ◆ Super long MTBF ≥ 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 and parallel mode ECO available
- ◆ Independent cooling system, muti-protection design, ensuring high reliability with harsh environment and load
- ◆ Output short-tolerant ability,
- ◆ ABM battery technology, extremely low ripple current extending battery lifespan
- ◆ Lithium ,Ni-cd, Lead -Acid battery acceptable
- ◆ Frequency convertor mode function
- ◆ Power walk-in function, protecting rectifier during the transferring process from battery to AC mode
- ◆ 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			100kVA	120kVA	160kVA	200kVA	250kVA	300kVA	400kVA
			90kVA	108kW	144kW	180kW	225kW	270kW	360kW
Input	Wiring connection		Three hase+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 940						
	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(6P)	890	1245		1640		2265	
		Width (12P)	1415	1770		2265		2265	
		Height	1900						
	Weight	6P	960	1075		1630		2105	
12P		1390	1672		2250		2500		

Environment	Temperature	0-40℃
	Humidity	0-95%non condensing
	Noise ()m	≤67dB
Communication	RS232/RS485	Support windows2000/XP/7/Linux/Unix/Mac
	SNMP (OPTIONAL)	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 vo Qe		380/400/415VAC(Three phase+Neutral+Ground)		
	VOLTAGEREILATION		±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 940%		
	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
Environment	emperaturd	0-40℃			
	Humidity	0-95% non condensing			
Noise (1m)			≤71dB	≤73dB	≤76dB
Communication	RS-232/RS485		Support windows2000/XP/7/Linux/Unix/Mac		
	SNMP (OPTIONAL)		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.