

PE II Series Online Industrial UPS 10-200kVA

PE II series is a fully DSP controlled high-level industry UPS for 480Vac power grid. Based on nowadays the most advanced DSP (TI 2833X CPU), MCU, CPLD etc., 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 6-100 seconds, stronger protection to rectifier, more compatible with generator
- ◆ Output power factor 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 and parallel mode ECO available
- ◆ Independent cooling system, multi-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, AS400, EPO etc.).
- ◆ Optional cards available: SNMP, battery management kit, lighting proof module, dust proof filter etc.

4. Easy Operation

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



5.PerfectApplication:

- ◆ Education & Medical,
- ◆ Petroleum, Oil, Chemical, Iron & Steel, etc.
- ◆ Theater, Harbor, Transportation etc.
- ◆ Traffic facilities etc.

Capacity		10kVA	15kVA	20kVA	30kVA	40kVA	60kVA	80kVA	120kVA	160kVA	200kVA
		9kW	13.5kW	18kW	27kW	36kW	54kW	72kW	108kW	144kW	180kW
Input	Wiring connection	Three phase + Ground									
	Nominal voltage	480VAC									
	Voltage range	360VAC~600VAC									
	Frequency	50/60Hz									
	Frequency range	45-65Hz									
	Soft start	5-600sec settable									
	Power factor	0.95 (with input filter)									
Bypass	Nominal voltage	480VAC (Three phase + Neutral + Ground)									
	Frequency	50/60Hz ± 10%									
	Voltage range	± 10%, ± 15%, ± 25% settable									
Output	Nominal voltage	480VAC (Three phase + Neutral +Ground)									
	Voltage regulation	± 1% (balance load) , ± 2% (100% unbalance load)									
	Power factor	1.0									
	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 92%							
	ECO mode	98%							
Parallel	N+X	Max 8 units							
Battery	Configuration	12V,40 pieces ,480Vdc							
Display		LCD + LED							
Physical	Dimension (mm)	800*800*1800(D*W*H)							
	N.W (Kg)	195	235	255	300	315	480	480	550
	G.W (Kg)	210	250	270	315	330	510	510	580
	IP protection (EN 60529)	IP 43							
Environment	Temperature	0-40°C							
	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							
	Safety	IEC60950-1, IEC62040-1-1							
	EMC	IEC62040-2, IEC62040-3							

Note: Specification is subject to change without notice.

Customized according to customer requirement available.