

PEA II High-voltage Online Industrial UPS 300-600kVA

PEA 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.

It's 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 1.0 optional, and output short-tolerant capability.
- Intelligent self-diagnosis, mass memory (1000 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, 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. Perfect Application

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

Capacity		300kVA	400kVA	500kVA	600kVA
		270kW	360kW	450kW	540kW
Input	Wiring Connection	Three phases + 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 94%			
	ECO mode	98%			
Parallel	N+X	Max 8 units			
Battery	Configuration	12V,45 pieces 540Vdc			
Display		LCD + LED			
Physical	Dimension (D*W*H) mm	855*1640*1900	855*2265*1900	855*2615*1900	855*2615*1900

	N.W. (Kg)	2300	2500	3000	3500
	G.W. (Kg)	2400	2620	3150	3650
Enclosure	IP20, IP43 Optional				
Environment	Temperature	0-40°C			
	Humidity	0-95% non-condensing			
	Noise (1m)	67dB			
Connective	RS-232 / (USB option)	Support Windows 2000/XP/7/Linux/Unix/Mac			
	SNMP	Support remote control through web browser			
Standard	Anti-thunder	D grade			
	Safety	IEC 60950-1, IEC 62040-1-1			
	EMC	IEC 62040-2, IEC 62040-3			

Note: Specification is subject to change without notice.

Customized according to customer requirement available.