

UPS KAISE 50-200KVA TRIFÁSICA TOWER

Model. Characteristics. Technical Specifications



**Kaise online
UPS three-phase
Power range: 100-200kVA**

Technical Characteristics

High reliability design

- Wide input voltage range 138-485Vac (Phase voltage 80- 280V ac), no derating when input voltage \geq 305 Vac

Power saving

- High input power factor, it can be up to 0.99
- 3- level inverter topology, the efficiency can be up to 95.5%

Parallel redundancy function

- Support parallel expanded operation: maximum is 6 units
- Support sharing batteries for the UPS in parallel

Flexible battery configuration

- Batteries number of each group can be selected from 30 pieces to 50 pieces
- Large charging current can meet the requirement of long time backup

Strong load capacity

- Output power factor is 1.0, UPS can supply power to 100% unbalance load
- High adaptability for load, it can connect full inductive load or capacitive load

Compatible with generator

- Power Walk In function, it can reduce the start current impact to system, and it can reduce the capacity of generator

LBS function

- LBS function can realize 2 independent UPS system work in synchronization, and it enhances the reliability of the system

Intelligent management

- Support USB, RS485, RS232, SNMP, dry contact card

Compatible with VRLA or lithium battery

UPS3300 Series

Technical Specifications:

MODEL	UPS33100EKAI	UPS33120EKAI	UPS33150EKAI	UPS33160KAI	UPS33180KAI	UPS33200KAI
Capacity	100kVA	120kVA	150kVA	160kVA	180kVA	200kVA

INPUT

Nominal voltage	380/400/415Vac (3Ph+N+PE)					
Operating voltage range	138~305Vac for 40% load; 305~485Vac for 100% load					
Power factor	≥0.99					
Harmonic distortion (THDv)	≤2% (100% linear load)					
Bypass voltage range	Max.voltage: 220V: +25% (Optional +10%, +15%, +20%) 230V: +20% (Optional +10%, +15%) 240V: +15% (Optional +10%) Min.voltage: -45% (Optional -10%, -15%, -20%, -30%)					
Frequency protection range	50/60Hz±10%					
Generator input	Support					

OUTPUT

Output voltage	380/400/415Vac (3Ph+N+PE)						
Voltage regulation	±1%						
Power factor	1.0						
Output frequency	Line mode	Synchronize with input, when the input frequency > ±10% (±1%/±2%/±4%/±5% optional), output 50/60 (±0.1Hz)				Bat. mode	(50/60±0.2%)Hz
Crest factor	3:1						
Harmonic distortion (THDv)	≤2% with linear load; ≤4% with non linear load						
Overload	Inverter mode	≤110% 60min, ≤125% 10min, ≤150% 1min, >150% 1.2s shut down inverter				≤110% 60min, ≤125% 1min, >125% 1.2s shut down inverter	
	Bypass mode	30 : 135% for long term; 40°C: 125% for long term; >1000%, 100ms					

EFFICIENCY

AC Mode	Up to 95.5%
ECO Mode	Up to 99%

BATTERY TYPE

Battery voltage	±180/192/204/216/228/240/252/264/276/288/300Vdc (30/32/34/36/38/40/42/44/46/48/50pcs, 36pcs default, 36~50pcs output power factor 1.0, 32~34pcs output power factor 0.9, 30pcs output power factor 0.8)					
Charge Current	40A (Max.)			60A (Max.)		

SYSTEM FEATURES

Transfer time	Utility to Battery: 0ms; Utility to Bypass: 0ms					
Backfeed protection	Support					
Alarm	Overload, utility abnormal, UPS fault, battery low, etc					
Protection	Short circuit, overload, over temperature, battery low, fan fault alarm					
Remote LCD	Support					
Communication	USB, RS232, RS485, parallel port, dry contact, intelligent slot, LBS, SNMP card (Optional), relay card (Optional)					

ENVIRONMENTAL

Operating temperature	0°C~40°C					
Storage temperature	-25°C~55°C (No battery)					
Humidity range	0~95% (Non condensing)					
Altitude	1000, derating required when >1000					
Noise level	<62dB	<63dB	<64dB	<66dB	<66dB	<66dB

PHYSICAL

Dimension WxDxH	442 × 850 × 1200 mm					
Net weight	147kg	152kg	190kg	2050kg	220kg	230kg

STANDARDS

Safety	IEC/EN 62040-1, IEC/EN 62477-1					
EMC	IEC/EN 62040-2 (IE C 61000-2-2, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11)					

- Specifications are subject to change without prior notice
- Data above are typical values for reference only, not as a basis for engineering design

