

XRT Series

Industrial Online UPS

10-600kVA

3-phasein/3-phaseout

(380V/400V/415V)



Product

XRT33 10-600 kVA adopts innovative design, integrated and industrialized concept, integrating high-frequency IGBT and isolation transformer, making it have the characteristics of high efficiency, energy saving, intelligence and ease of use of modern high-frequency UPS, and the advantages of safety, reliability, stability and durability of traditional power frequency UPS. It has greatly improved performance indicators, system protection and reliability, can completely eliminate various power grid problems, provide customers with stable and pure sinusoidal power supply protection, can cope with the challenges of any harsh working conditions, has extremely high-cost performance, and is the best choice for industries with high power supply requirements.

Application fields

Industrial fields with harsh application environments such as petroleum, chemical industry, manufacturing, metallurgy, nuclear power, electric power, military industry, aviation, rail transit, and ships; medium and large data centers, semiconductor production lines, industrial automation production lines and their control systems.

Stable and reliable

- Using DSP to implement full digital control of each power conversion link of the system stability is higher
- Advanced battery intelligent management system and scientific battery automatic maintenance ensure the long service life of the battery
- Friendly human-machine interface, 7-inch color touch screen, rich data records, intelligent display, easy operation
- Built-in multiple communication interfaces (RS232, RS485, dry contact, etc.), can be connected to a variety of options: SNMP communication card, battery temperature compensator, etc.

Stable and reliable

- Ultra-wide input voltage and frequency range, effectively reducing the number of UPS battery transfers, extending the life of internal components and batteries
- Built-in output isolation transformers to reduce the impact of zero-ground voltage and load harmonic current on the inverter, adapting to diesel generator access and strong impact loads
- Super load adaptability and output overload/short circuit resistance, continuous and stable operation under harsh working conditions
- Specially protected circuit board, independently designed heat dissipation duct, and increased input lightning protection design to protect itself and the load in all directions

Green and energy-saving

- Advanced rectification and IGBT inverter control technology, online double conversion structure, support 380/400/415V, 50/60Hz power grid system
- Input power factor up to 0.99, input current harmonics less than 3%, overall efficiency over 95%, green and environmentally friendly, high efficiency and energy saving
- Output power factor 0.8 or 0.9, output voltage harmonics less than 2%, top load capacity, load capacity is more than 12.5% higher than traditional power frequency UPS
- Ultra-long mean time between failures and ultra-low mean time to repair, saving operation and maintenance costs

Model		XRT33010	XRT33015	XRT33020	XRT33030	XRT33040	XRT33060	XRT33080	XRT33100
Capacity (kVA)		10	15	20	30	40	60	80	100
Model		XRT33120	XRT33160	XRT33200	XRT33250	XRT33300	XRT33400	XRT33500	XRT33600
Capacity (kVA)		120	160	200	250	300	400	500	600
INPUT	Input format	Three-phase 4-wire system and ground wire							
	Input voltage	380/400/415Vac							
	Input power factor	≥0.99							
	Voltage range	138~485Vac							
	Frequency range	40-70Hz							
Bypass	Input standard	Three-phase 4-wire system and ground wire							
	Bypass voltage	380V/400V/415Vac							
	Voltage range	±10%, ±15%, ±20% (Settable)							
	Frequency range	50/60Hz±10%							
Output	Output standard	Three-phase 4-wire system and ground wire							
	Rated voltage	380V/400V/415Vac							
	Power factor	0.8, 0.9 optional							
	Voltage harmonic distortion	≤2% linear load, ≤4% non-linear load							
	Overall efficiency	95%							
	Overload capacity	≤ 110% load, switch to bypass after 60 minutes; ≤ 125% load, switch to bypass after 10 minutes; ≤ 150% load, switch to bypass after 1 minute							
Battery	Voltage range	±180V/±192V/±204V/±216V/±228V/±240/±252/±264/±276/±288/±300Vdc (30/32/34/36/38/40/42/44/46/48/50pcs optional)							
System	Operating temperature	0°C-40°C							
	Storage temperature	-25°C~55°C (without battery)							
	Humidity range	0-95% (no condensation)							
	Noise	<70dB							
	Communication interface	USB, CAN, RS485, FE, parallel card, dry contact card, SNMP card (optional), LBS (optional), temperature sensor (optional)							
10-100k	Dimensions (D*W*H) mm	785*350*975			870*400*1200			850*600*1550	
	Weight (kg)	163	178	193	221	246	302	493	544
120-600k	Dimensions (D*W*H) mm	850*600*1600		1200*600*200	1200*1200*2000		2000*850*2000	2550**850*2000	2700**850*2000
	Weight (kg)	554	672	925	1443	1543	2071	2473	2870
Implementation standards		EN62040-1、EN62040-2、EN62040-3、YD/T1095-2018							

All specifications are subject to change without prior notice.



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