

POWERUPS



IST7 (50 – 200kVA)

HIGHLIGHTS

- Online Double Conversion with 3-level IGBT technology
- Tower
- Output power factor 1
- Fully digital advanced DSP control technology
- 96% Efficiency
- Low Input Harmonic, THD% <3%
- Power up to 200 kVA in reduced space
- Can be set from the display and intuitive interface
- Centralised modular design
- Internal self-cleaning function that reduces faults
- Graphic capture of waveform on the display
- Hot-swappable battery packs
- Configuration for Parallel Redundant System

The UPSs IST7 are the range of **expandable** online UPS three-phase of PowerUPS, available in 50kVA to 200kVA powers.

The IST7 series UPS through their centralised modular design are able to expand the continuity system at any time.

Due to their extreme **flexibility**, Uninterruptible Power Supplies can also be configured comfortably via the **touch screen display** on site.

IST7 are equipped with a system that includes the free contact card for alarms and a manual bypass disconnecter to facilitate maintenance.

IST7 Uninterruptible Power Supplies, using the most **advanced technologies** in the sector, feed utilities with a perfect sinusoidal wavebasis, providing maximum protection to loads, supplied without impact on downstream systems and optimising energy savings.

They are able to offer the world market the **best solution** for data centres and telecommunications, transport, precision and other critical systems in general.

They provide comprehensive, reliable and secure **protection**, as well as stable, clean and ecological energy.

POWERUPS

TECHNICAL SPECIFICATIONS

MODELS	IST7050	IST7080	IST7100	IST7120	IST7160	IST7200
--------	---------	---------	---------	---------	---------	---------

INPUT

VOLTAGE (VAC)	380/400/415 (138~485 L-L)
FREQUENCY (HZ)	40~70
BYPASS VOLTAGE (VAC)	380/400/415: -20%~+15%
POWER FACTOR	≥0.99
THD	≤3%
PHASE	3Φ4W+PE

OUTPUT

CAPACITY (kVA)	50	80	100	120	160	200
POWER FACTOR	1					
VOLTAGE (VAC)	L - N: 220/230/240±1% L - L: 380/400/415±1%					
FREQUENCY (HZ)	50/60 ± 0.1(battery mode)					
PHASE	3Φ4W+PE					
UNBALANCE 3-PHASE VOLTAGE STABILIZATION WITH FULL LOAD	≤2%					
WAVEFORM	Pure sine wave, THD <1% at linear					
EFFICIENCY	96%					
OVERLOAD	105%~115% load for 60mins; 116%~130% load for 10mins; 131%~150% load for 1min; > 150% load for 200ms					

BATTERIES

BATTERY VOLTAGE (VDC)	±192/±216 (±180/±204/±216/±228/±240 settable)					
BATT TYPE	External					
CHARGING CURRENT (A)	1-30			1-40		

OTHERS

COMMUNICATION INTERFACE	RS485, MODBUS, dry contacts (RS232, SNMP, expend dry contact card are optional in slot)					
DISPLAY	Touch screen + LED					
ALARM	AC input abnormal, low battery, overload, failure					
PROTECTION	IP21, overload, over temperature, battery low voltage, output over/low voltage					
NOISE (DB)	<65					
WORKING TEMPERATURE (°C)	0~40					
RELATIVE HUMIDITY	0~95%					
DIMENSION (WxDxH) (MM)	450x840x1400				600x900x1600	
WEIGHT (KG)	180	210	242	320	350	