

POWERUPS



IST7 (10 – 40kVA)

HIGHLIGHTS

- Online Double Conversion with 3-level IGBT technology
- Tower
- Flexible configuration on site 1:1, 3:1, 3:3
- Can be set by touch-screen display
- Output power factor 1
- Fully digital advanced DSP control technology
- 96 % Efficiency
- Low Input Harmonic, THD% <3%
- Internal self-cleaning function that reduces faults
- Graphic capture of waveform on the display
- Hot-swappable battery packs
- Modular and eco-friendly design
- Configuration for Parallel Redundant System

Uninterruptible Power Supplies IST7 are PowerUPS' three-phase online UPS, available in the models from 10kVA to 40kVA.

IST7 10kVA and 20kVA can be configured in input/output 1\1 or 3\1 or 3\3 mode directly from the display, while the 30kVA and 40kVA models can be configured 3\1 or 3\3.

UPS are available in **two different versions**: with internal batteries or with an external battery cabinet.

With considerable **flexibility**, they can be configured on site via **touch screen display**.

In order to make maintenance easier, PowerUPS IST7 Uninterruptible Power Supplies are characterised by a manual bypass disconnecter and are also equipped with a system that includes the free contact card for alarms.

UPS IST7, using the most **advanced technologies** in the sector, are able to provide full, reliable and safe **protection**.

They are characterised by an innovative self-cleaning function which reduces the breakdowns by regularly removing the dust from the module.

POWERUPS

TECHNICAL SPECIFICATIONS

MODELS	IST7010 IST7010-L	IST7020 IST7020-L	IST7030 IST7030-L	IST7040 IST7040-L
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INPUT

VOLTAGE (VAC)	80-280 (L-N) / 138-485 (L-L)			
FREQUENCY (HZ)	40 ~ 70Hz			
BYPASS VOLTAGE (VAC)	380/400/415: -20%~+15%			
POWER FACTOR	≥0.99			
THD	≤3%			
PHASE	3:3 / 3:1 / 1:1			

OUTPUT

CAPACITY (kVA)	10	20	30	40
POWER FACTOR	1			
VOLTAGE (VAC)	L - N: 220/230/240±1% L - L: 380/400/415±1%			
FREQUENCY (HZ)	50/60 ± 0.1			
UNBALANCE 3-PHASE VOLTAGE STABILIZATION WITH FULL LOAD	≤2%			
WAVEFORM	Pure sine wave, THD <1% at linear			
EFFICIENCY	96%			
OVERLOAD	110% load for 60mins; 130% load for 10mins; 155% load for 1min; > 155% load for 200ms			

BATTERIES

BATTERY VOLTAGE (VDC)	±192 (±96~±240 settable) / ±192 (±144~±240 settable)			
BATT TYPE	16~40*9AH/12V	24~40*9AH/12V	48~80*9AH/12V	48~80*9AH/12V
CHARGING CURRENT (A)	1-10 / 1-20 (settable)			

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)	<55			
WORKING TEMPERATURE (°C)	-5~40			
RELATIVE HUMIDITY	0~95%			
DIMENSION (WxDxH) (MM)	250x755x880		300x785x1250	
WEIGHT (KG)	143	143	240	