

SERIES IST 7

POWER RANGE
10-40kVA



kW = kVA

96%
Efficiency



UPS ONLINE THREE PHASE

The **UPS three-phase IST7** (10-40kVA) are AEC's three-phase online UPS, double conversion tower UPS in powers from 10kVA up to 40kVA. The UPS IST7 series adopts the most innovative technologies with **3 IGBT levels**, guaranteeing an efficiency of up to 96% and a unitary output power factor.

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 **30 and 40kVA** models can be configured 3\1 or 3\3. Three-phase UPS available in version with **internal batteries or external battery cabinet**. The system includes the free contact card for alarms and a manual bypass disconnecter to facilitate maintenance.

IDEAL FOR



HEALTH CARE



INDUSTRY



TRANSPORT



SERVER



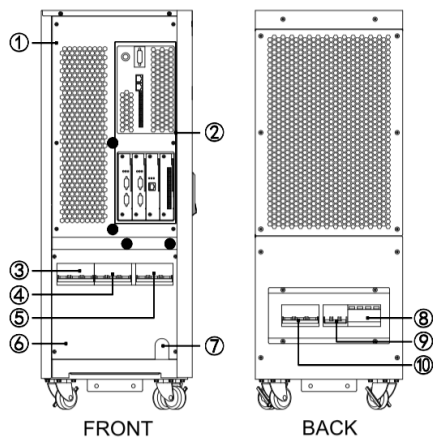
DATA CENTER

THREE-SINGLE PHASE UPS

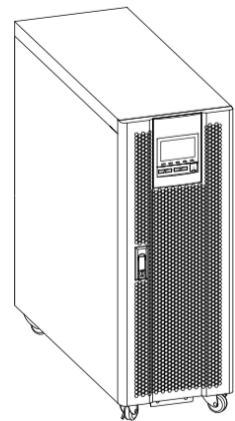
MAXIMUM POWER

- Three-phase UPS with 3-level IGBT rectification technology;
- Double conversion online UPS with modular design;
- Can be upgraded on site from 10 up to 40 kVA;
- Output power factor 1 without transformer saving on energy consumption;
- Accepts unbalanced three-phase loads up to 100%;
- Flexible configuration on site 1: 1, 3: 1, 3: 3;
- Online UPS with 96% efficiency;
- Innovative self-cleaning function that periodically expels the dust from the module, reducing breakdowns;
- Fully settable from the touch screen display on site and with an intuitive interface;
- Built-in black box that periodically records the waveforms on the display;
- Full digital interconnection and advanced DSP control technology;
- Easy to use security features and alarm alerts;
- Small footprint and ecological design;
- Hot-swappable battery packs.

IST7 10-40KVA



1. TOP COVER PLATE;
2. CONTROL UNIT;
3. POWER BREAKER;
4. BYPASS BREAKER;
5. OUTPUT BREAKER;
6. WIRING COVER PLATE;
7. WIRING HOLES OF COMMUNICATION WIRES;
8. SURGE PROTECTION DEVICE (OPTIONAL);
9. SURGE PROTECTION BREAKER (OPTIONAL);
10. MAINTENANCE BUPASS BREAKER.



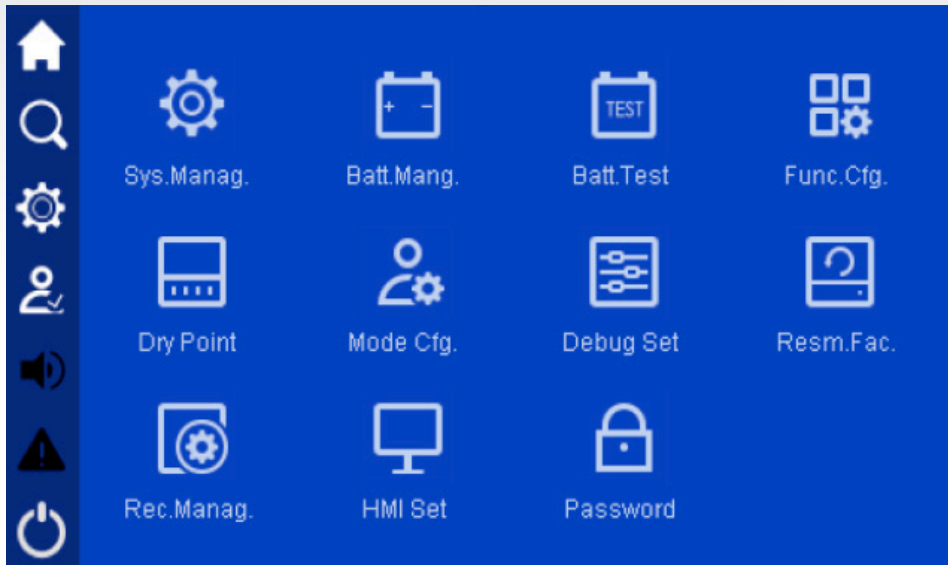
10-20KVA



30-40KVA

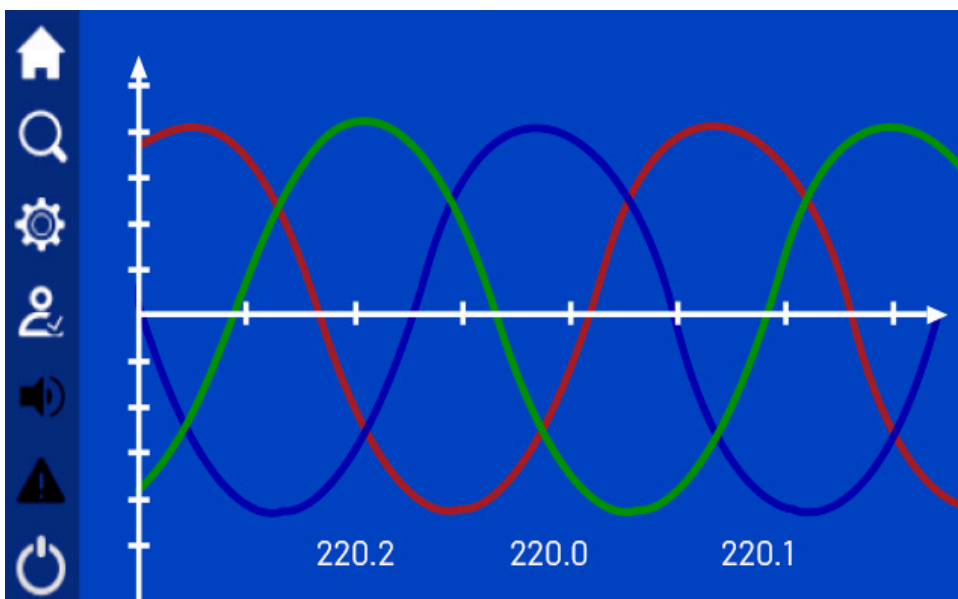
SETTABLE DISPLAY

Thanks to the advanced display, the UPS of the IST7 series are totally configurable from the display directly on site without the need for a PC or specialized software.



BLACK BOX

The operating system incorporated in the computerized display is able to analyze and record the **waveforms** of the individual components of the UPS throughout its active life. Through the display it is possible to view, on the color screen, all the waveforms generated and passing through the individual components, simplifying the localized identification of problems or distortions of all kinds inside and outside the apparatus.



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)	40~70			
BYPASS VOLTAGE (VAC)	380/400/415: -20%~+15%			
POWER FACTOR	≥0.99			
THDI	≤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; 116%~130% load for 10mins; 155% load for 1min; >155% load for 200ms			

BATTERY

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			
WORKIN TEMPERATURE (°C)	-5~40			
RELATIVE HUMIDITY	0~95%			
DIMENSION (W×D×H)(MM)	250x755x880		300x785x1250	
WEIGHT (KG)	143	143	240	

SPECIFICATIONS OR DESIGNS CAN BE CHANGED AT ANYTIME WITHOUT NOTICE AND CANNOT BE USED TO FORM ANY CONTRACTUAL OBLIGATIONS.