

# SERIES IST 3

POWER RANGE  
1-10kVA



kW = kVA

95,5%  
Efficiency



## UPS TOWER DOUBLE CONVERSION

IST3 single-phase UPS (1-10kVA) are AEC's range of Online UPS double conversion and are **UPS tower** in powers starting from 1kVA up to 10kVA. The UPS IST3 series adopts the most innovative **IGBT technologies**, guaranteeing an efficiency of up to 95.5% and an output power factor of unity.

UPS units are available in models with **internal batteries** or combined with **external battery cabinets** for longer runtimes. 6kVA and 10kVA UPS include the manual bypass disconnecter to allow proper maintenance. The **USB card** included and range of products covered by a 3-year warranty. The product complies with the **CEI 0-16 standard**.

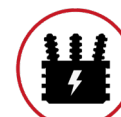
### IDEAL FOR



HOME/OFFICE



HEALTH CARE



MT/BT

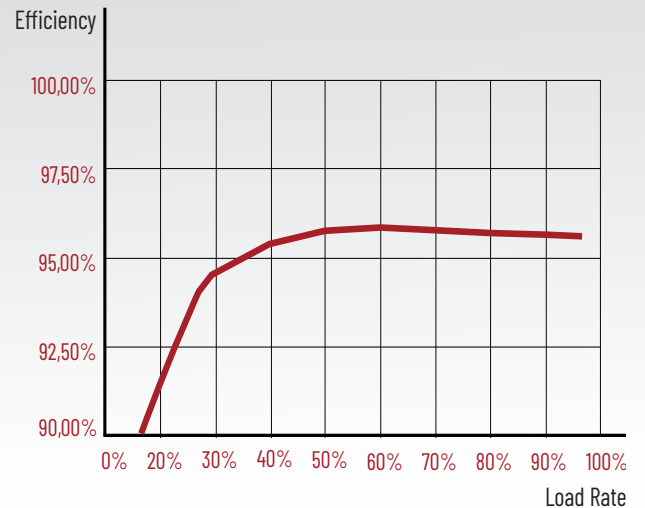


INDUSTRY

SINGLE PHASE UPS

## EXCELLENT PERFORMANCE

- Output power factor equal to 1 for a better load capacity at the same power with lower and more convenient initial investment costs;
- Optimized circuit design and integration, anti-interference capability and more stable and efficient performance;
- Intelligent fans with high efficiency cooling, multiple modes to control their speed, extend their life and improve their efficiency.



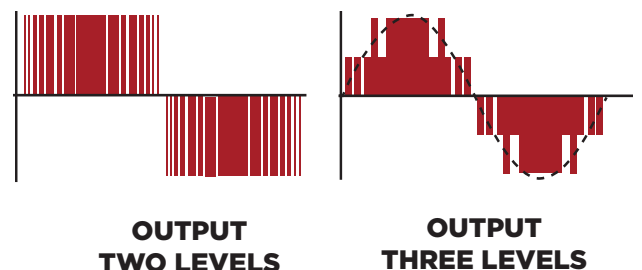
## DIGITAL TECHNOLOGY

- Advanced DSP digital control technology for precise and rapid data processing;
- Detection and warning of faults to ensure the safety of the device, also monitoring the temperature of the UPS;
- Large HD screen with graphic interface and simplified display, for an improved and user-friendly user experience.

## GREEN POWER

- AC/AC efficiency up to 95.5% with energy savings and low carbon dioxide emissions;
- Input power factor up to 0.996 and low THDi (<3%) with reduced pollution and better use of technology;
- 3-level UPS with IGBT technology and output power factor up to 1.

### VOLTAGE WAVEFORM



## WIDE FLEXIBILITY

- Ultra wide input voltage range, also adaptable to harsh environments of use;
- Flexible battery configurations and real-time control of their status from the UPS, improving their life cycle and efficiency over time;
- Compact design, minimum footprint of 0.05m, high profitability, easy to install;
- Self-selection of the input frequency (50 / 60Hz), constant monitoring of the mains frequency and at least 10% more output power.

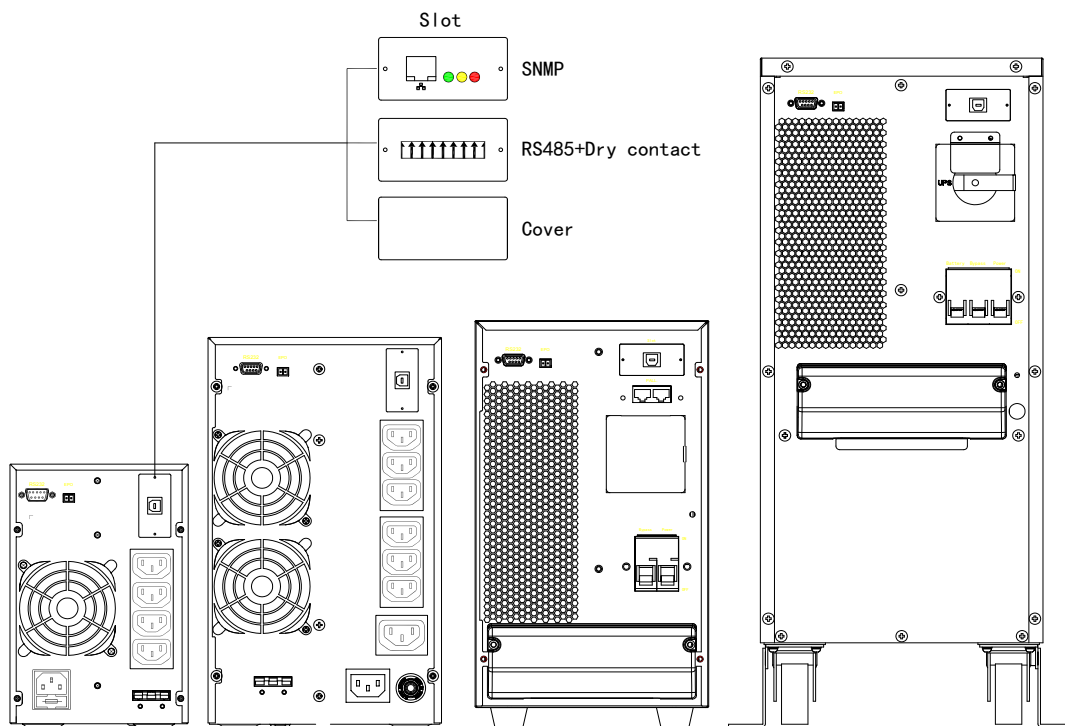


## WARNING AND PROTECTION FUNCTIONS

The AEC IST3 series has the function of warning in case of hidden faults in the components to ensure the safety of the device and emits an acoustic and light alarm to prevent blockages. In addition, intelligent computer monitoring and remote UPS control can be implemented with a variety of communication methods for easy remote management.

**Standard communication:** RS232 and USB.

**Optional:** SNMP card, potential free contact card, remote EPO.



## TECHNICAL SPECIFICATIONS

MODELS	IST3010 IST3010-L	IST3020 IST3020-L	IST3030 IST3030-L	IST3060 IST3060-L	IST3100 IST3100-L
<b>INPUT</b>					
VOLTAGE (VAC)	120~295			80~275	
FREQUENCY (HZ)	50/60±10% (50/60Hz auto-sensing)				
POWER FACTOR	≥0.99				
THDi	<3%				
<b>OUTPUT</b>					
CAPACITY (VA)	1000	2000	3000	6000	10000
MAX. AC/AC EFFICIENCY	92,00%	93,00%	94,00%	95,5%	
POWER FACTOR	0.9 (1.0 optional)				
VOLTAGE (VAC)	208/220/230/240±1% (selectable on display panel)				
FREQUENCY (HZ)	50/60±0.2% (battery mode)				
THD	THD < 2% (linear load ); THD < 5% (no linear load)			THD < 1% (linear load); THD < 4% (no linear load)	
OVERLOAD	110% for 2 min. - 120% for 1 min.				
<b>BATTERIES</b>					
VOLTAGE (VDC)	24 or 36/36	48 or 72/72	72 or 96/96	192/192~240	
BATT. TYPE	2×9Ah 12V	4×9Ah 12V	6×9Ah 12V	16×9Ah 12V	16×9Ah 12V
CHARGER CURRENT (A) MAX.	1-4	1-4	1-4	1~8	
<b>OTHERS</b>					
COMMUNICATION INTERFACE	RS232, EPO, USB (slot) (SNMP, RS485+dry contact are optional in slot)				
LCD DISPLAY	AC input & output voltage, frequency, Load level, battery level, temperature; AC mode, battery mode, bypass mode, and fault				
ALARM	Low battery, abnormal AC input, UPS failure, etc.				
PROTECTION	IP21, Low battery, overload, short-circuit and over temperature, etc.				
NOISE (DB)	<50	<55			
TEMPERATURE (°C)	-5~40				
RELATIVE HUMIDITY	0 ~ 95%				
DIMENSION (W×D×H) MM	145×360×225	190×400×330		230×502×553/190×422×337	
WEIGHT (KG)	9.2 or 11.6/4.5	17.7 or 22.4/8.5	22.9 or 27.6/9.2	54.5/10.9	56.2/12.5

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