

SERIES IST 3-J

POWER RANGE
1-10kVA



kW = kVA

95,5%
Efficiency

PF=
1.0



VFI
TYPE



UPS RACK 19" DOUBLE CONVERSION

Uninterruptible power supplies **single-phase IST3-J** (1-10kVA) are AEC's range of online double conversion UPS and they are **Rack UPS** 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 a unitary output power factor.

The UPS are available in models with **internal batteries** or combined with **external battery cabinets** for longer runtimes. Our 2kVA and 3kVA models have the hot-swappable battery pack which makes replacement easy. The 6kVA and 10kVA models have the advantage of occupying only 2U. 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



HEALTH CARE



INDUSTRY



RACK CABINET



SERVER

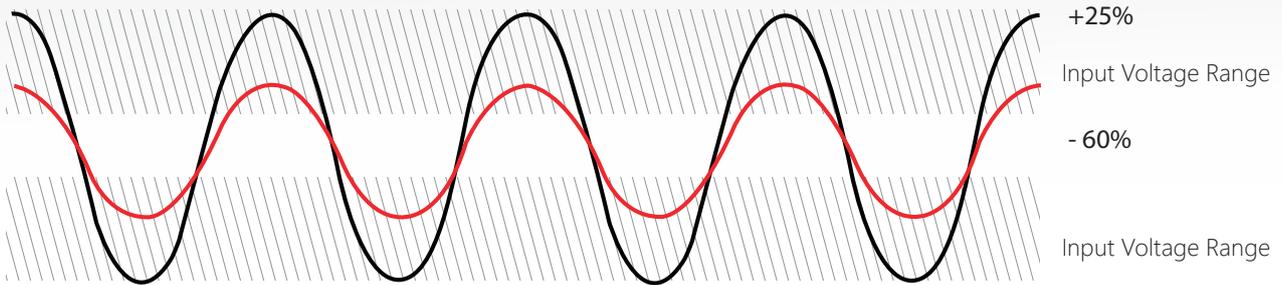


CCTV

SINGLE PHASE UPS

GREEN POWER AND ADVANCED TECHNOLOGY

- AC / AC efficiency over 95.5%, lower operating costs and more energy savings;
- Output power factor 1, more power to connect more loads;
- Fully digital control technology;
- Advanced 3-level inverter technology;
- High input power factor up to ≥ 0.996 and THD $< 3\%$;
- Less energy pollution towards the network;
- Use both rack and tower;
- Compact design and small footprint (6-10kW only 2U).



Wide window of network tolerance

LCD DISPLAY

- The digital display can be easily rotated by setting to be adapted to vertical/horizontal installation;
- Output voltage 208/220/230/240 Vac, 50/60Hz, ECO mode, all parameters can be set on site;
- Information on alarms and UPS status can be checked from the LCD display.



HORIZONTAL DISPLAY



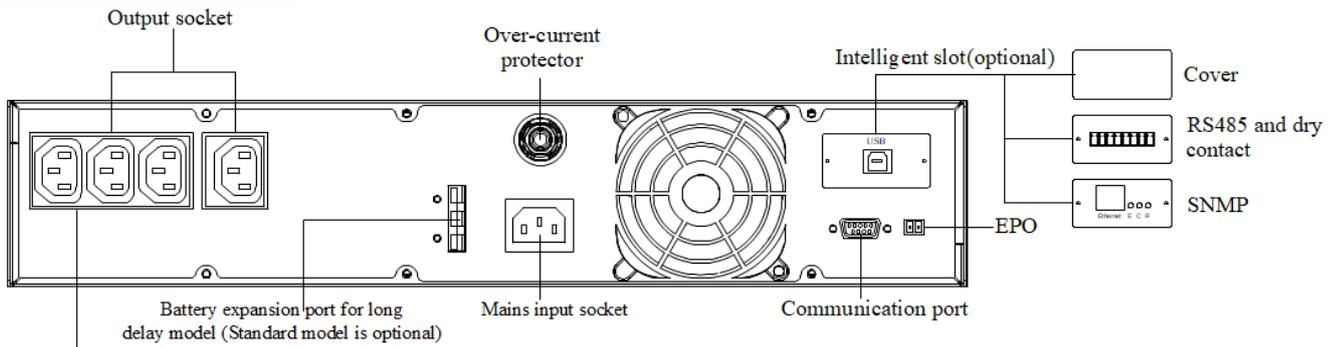
VERTICAL DISPLAY



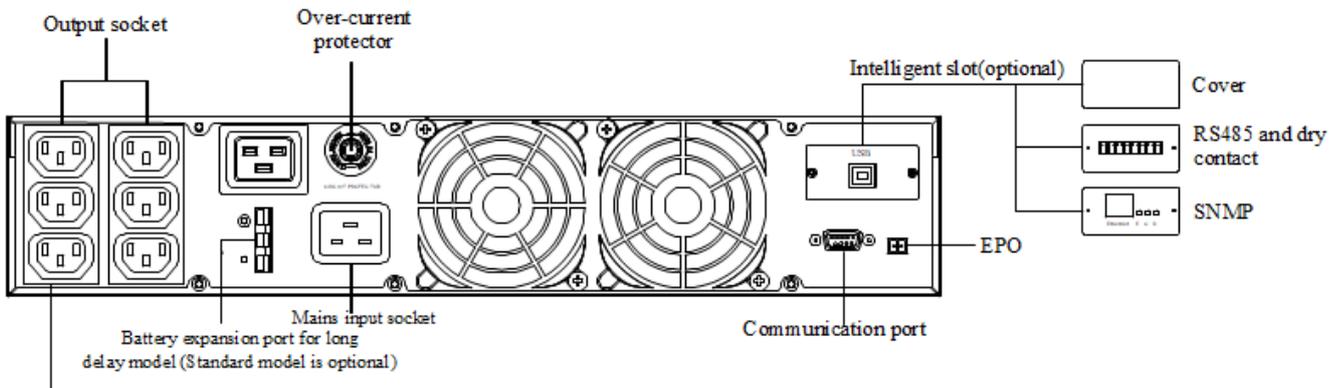
HOT-SWAPPABLE BATTERY DESIGN

- The external battery is optional;
- Easy replacement of the hot battery;
- Flexible rear panel configuration;
- The free contact cards and SNMP are optional;
- Intelligent RS232 + USB + EPO;
- ECO function;
- External battery port available.

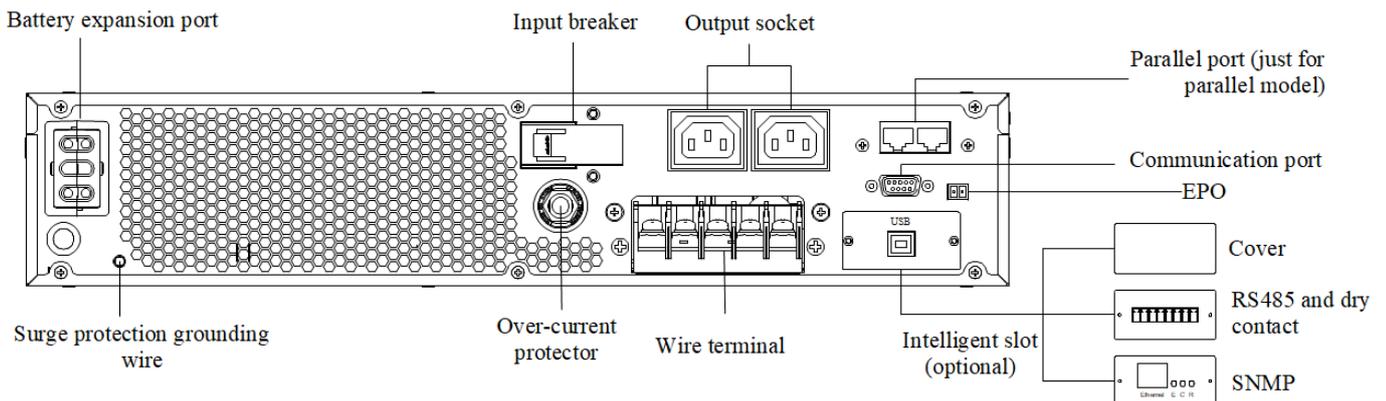
IST3-J 1KVA



IST3-J 2-3KVA



IST3-J 6-10KVA



TECHNICAL SPECIFICATIONS

MODELS	IST3100010J IST3100010J-L	IST3100020J IST3100020J-L	IST3100030J IST3100030J-L	IST3100060J	IST3110010J
INPUT					
VOLTAGE (VAC)	120~295			80~275	
FREQUENCY (HZ)	50/60± 10% (50/60Hz auto-sensing)				
POWER FACTOR	≥0.99				
THDI	<3%				
OUTPUT					
CAPACITY (VA)	1000	2000	3000	6000	10000
AC/AC EFFICIENCY MAX.	92.00%	92.5%	93.3%	95.5%	
POWER FACTOR	1				
VOLTAGE (VAC)	208/220/230/240±1% (settable on display panel)				
FREQUENCY (HZ)	50/60±0.2% (battery mode)				
THDV	THD <2% (linear load), THD < 5% (nonlinear load)			THD <1% (linear load), THD < 4% (nonlinear load)	
TRANSFER TIME (MS)	0				
BATTERIES					
VOLTAGE (VDC)	24/36	48/72	72/96	192~240	
BATT TYPE	2× 9AH 12V	4× 9AH 12V	6× 9AH 12V	16× 9AH 12V (16~20 units settable)	
CHARGER CURRENT (A) MAX.	1-4	1-4	1-4	1/1~8 (settable)	
OTHERS					
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		
WORKING TEMPERATURE (°C)	-5~40				
RELATIVE HUMIDITY	0 ~ 95%				
DIMENSION (W×D×H) (MM STANDARD/ LONG BACKUP)	438×413×2U	438×413×2U (UPS)+ 438×413×2U (Batt. pack) /438×413×2U (UPS)		438×500×2U (UPS)+ 438×500×3U (Batt. pack)	
WEIGHT (KG)	11/5.8	7.2+13/8	7.2+17.5/8	10.6+45/10.6	12.2+45/12.2

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