



**We are
behind the Power**

UPS | **Uninterruptible
POWER SUPPLY**

CATALOG

WWW.AECUPS.COM



SERIES - IST3-J

1-10 kVA
UPS RACK
DOUBLE CONVERSION



kW = kVA

95,5%
Efficiency



PF= 1.0



Single Phase Online UPS (Rack Type) (1-10kVA)

The IST3-J smart high frequency online UPS uses full digital control technology and the latest high frequency converter technology and has high efficiency, high power factor and other advantages. It has significant energy savings and greatly reduces operation costs. It has integrated functions such as AC regulation, backup power supply, surge protection, and other functions to provide protection to equipment in harsh power grid environments and provide clean, safe, and stable power to loads.

1:1
PHASE

APPLICATIONS



FINANCE



TELECOMMUNICATION



ENERGY



MEDICAL



GOVERNMENT

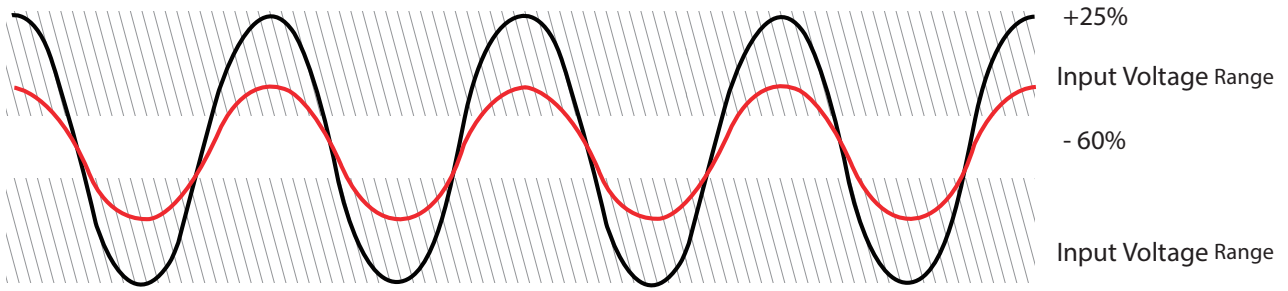
- **3 LEVEL IGBT TECHNOLOGY UPS;**
- **95,5% EFFICIENCY AC-AC;**
- **OUTPUT POWER FACTOR UP TO 1;**
- **COMPACT AND SMALLER DESIGN (6-10kW ONLY 2U);**
- **HOT SWAPPABLE BATTERY PACK;**
- **RACK-TOWER.**



GREEN POWER



- AC/AC efficiency up to 95.5%, less operation cost and more energy saving;
- Output power factor up to 1.0 (optional), more powerful to connect more critical loads;
- Fully digital control technology;
- Advanced 3-level IGBT inverter technology;
- High input power factor up to ≥ 0.996 ;
- Input PF > 0.996 and THDi $< 3\%$, less power pollution and lower TCO.



wide input voltage range

LCD DISPLAY

User-friendly and Easy-shift LCD Display:

- The digital display can be easily shifted through LCD setting to suit for vertical/horizontal installation;
- Output voltage 208/220/230/240Vac, 50/60Hz, ECO mode all can be settable on site;
- Alarm information and operation process can be checked on the LCD.



HORIZONTAL DISPLAY



VERTICAL DISPLAY

BATTERY DESIGN

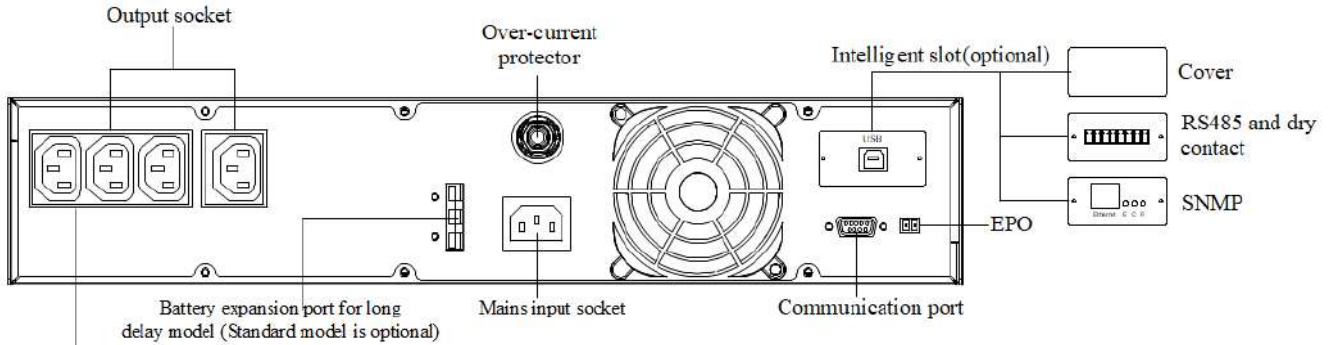
Hot-swappable Battery Design:

- External battery pack is optional
- Easy for online battery replacement.

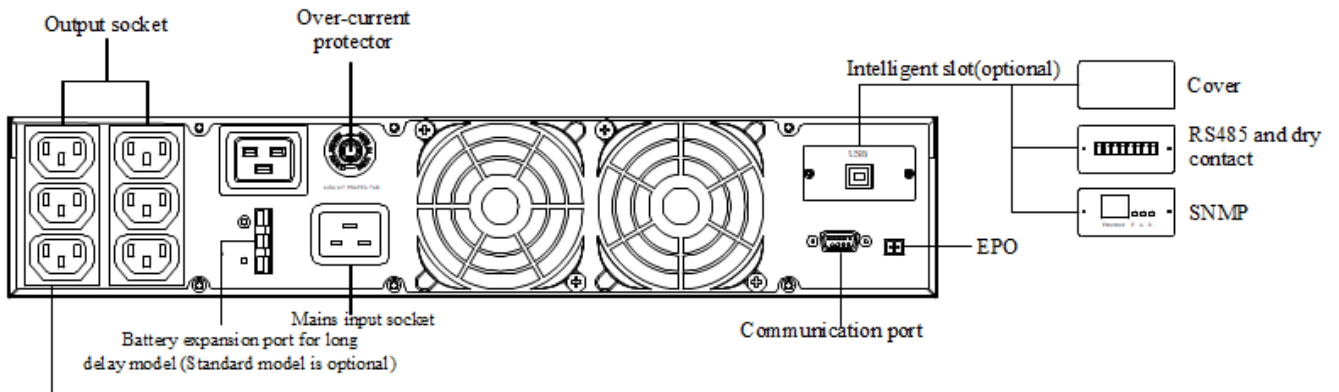
Flexible Rear Panel Configuration:

- Dry contact kits and SNMP are optional;
- Intelligent RS232+USB+EPO;
- ECO function;
- External battery pack port available.

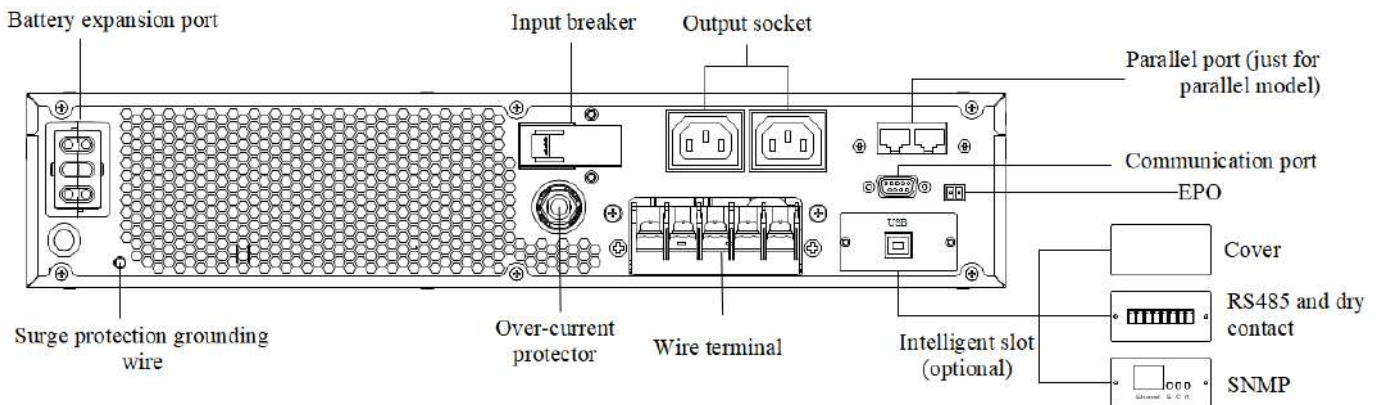
IST3-J 1KVA



IST3-J 2-3 KVA



IST3-J 6-10KVA



TECHNICAL SPECIFICATIONS

MODELS	IST30100-J IST3010L-J	IST30200-J IST3020L-J	IST30300-J IST3030L-J	IST30600-J IST3060L-J	IST3100-J IST3100-J
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	0.9 (1.0 optional)				
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)	
OVERLOAD	110% for 2 min. - 120% for 1 min.				
TRANSFER TIME (MS)	0				
BATTERIES					
VOLTAGE (VDC)	24/36	48/72	72/96	192~240	
BATT TYPE	2× 9AH 12V/External	4× 9AH 12V/External	6× 9AH 12V/External	16× 9AH 12V/External (16~20 units settable)	
CHARGER CURRENT (A) MAX.	1-4	1-4	1-4	1/1~8 (configurable)	
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%, no condensation				
DIMENSION (W×D×H) (MM STANDARD/ LONG BACKUP)	438×413×2U	438×570×87(2U)		438×500×2U (UPS)+ 438×500×3U (Batt. pack)	
WEIGHT (KG)	11/5.8	19.9	24.8	10.6+45/10.6	12.2+45/12.2

ALL INFORMATION CONTAINED IN THIS BROCHURE ARE PURELY INDICATIVE AND CANNOT BE USED TO FORM ANY CONTRACTUAL OBLIGATIONS. SPECIFICATIONS OR DESIGNS CAN BE CHANGED AT ANYTIME WITHOUT NOTICE.



Uninterruptible **Power Supply**

ADDRESS

Via Nerviano, 55
20020 Lainate, Milan - Italy

CONTACTS

Phone: +39 0294158991
E-mail: info@aecups.com

WWW.AECUPS.COM

