



**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



1:1
PHASE

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.

APPLICATIONS



FINANCE



TELECOMMUNICATION



ENERGY



MEDICAL



GOVERNMENT

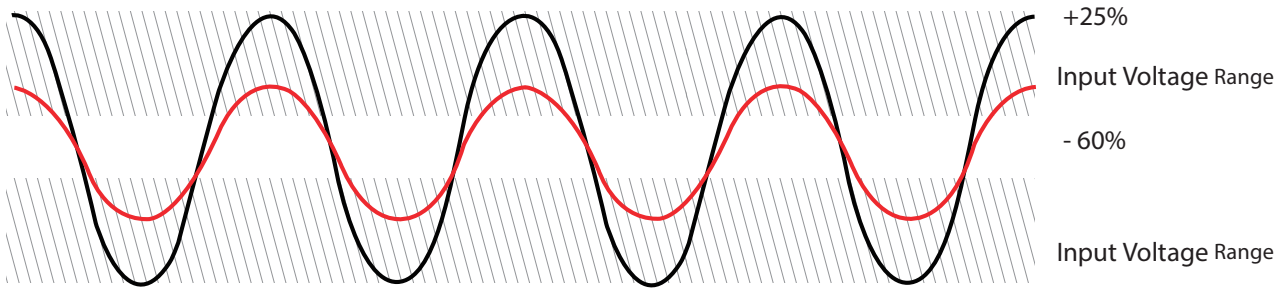
- **3 LEVEL IGBT TECHNOLOGY UPS;**
- **95,5% EFFICIENCY AC-AC;**
- **OUTPUT POWER FACTOR UP TO 1;**
- **COMPACT AND SMALLER DESIGN (6-10kW ONLY 2U);**
- **HOT SWAPPABLE BATTERY PACK;**
- **RACK-TOWER.**



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

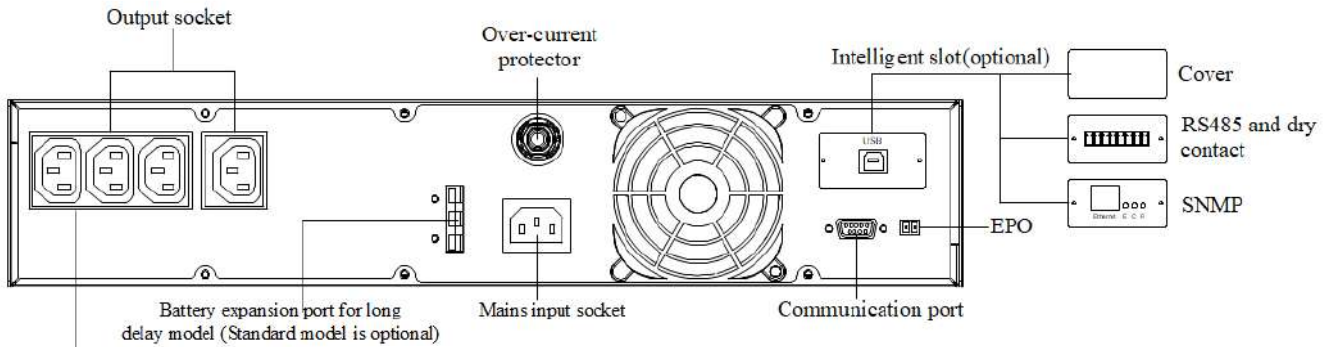
Hot-swappable Battery Design:

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

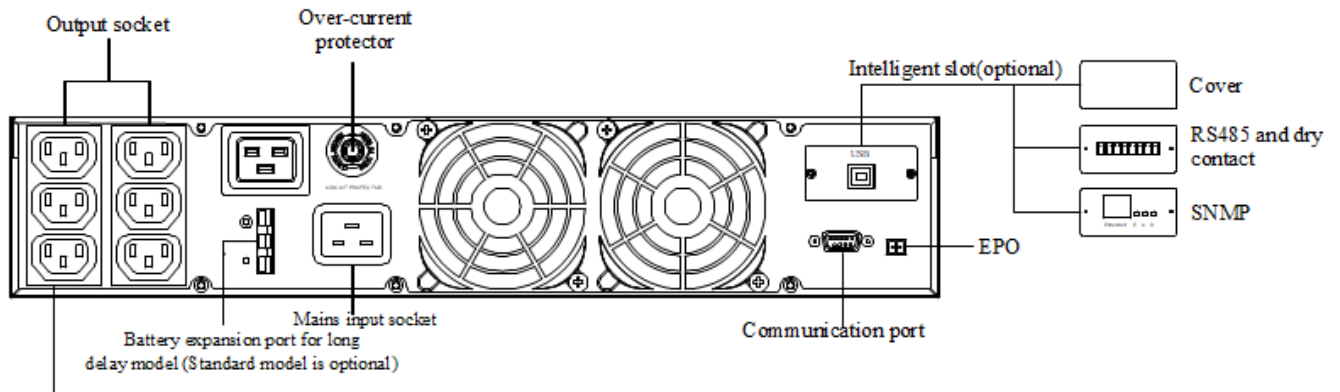
Flexible Rear Panel Configuration:

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

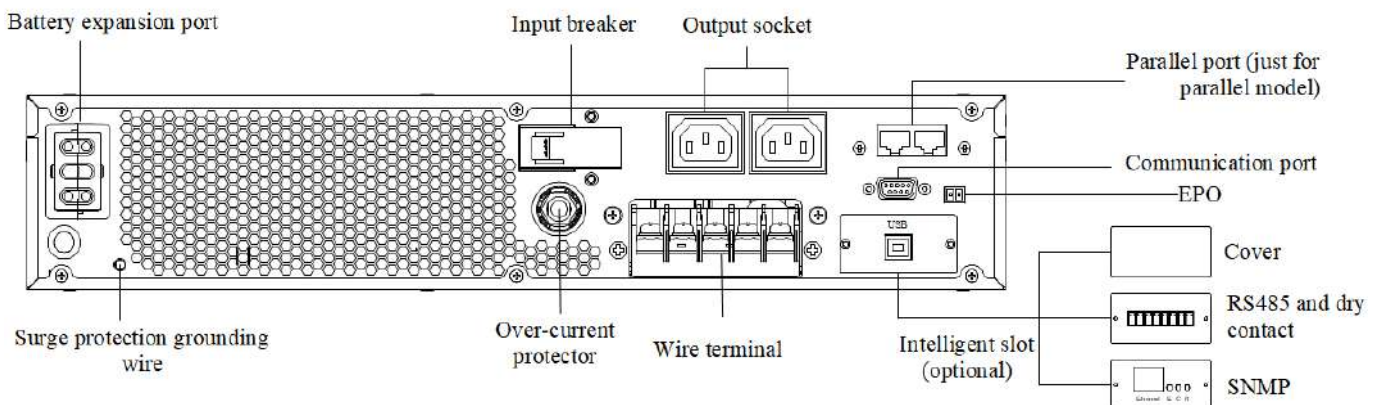
IST3-J 1KVA



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.



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