



AEC ITALY **CATALOG**

2023





UPS SERIES IST 3-J



1:1

Power from 1kVA to 10kVA



kW = kVA

96%
Efficiency

UPS RACK 19" ONLINE DOUBLE CONVERSION

The IST3-J single-phase UPS (1-10kVA) are AEC's **double conversion online UPS** range and are **rack UPS** with powers from 1kVA up to 10kVA. The UPS IST3-J series adopts the most innovative **IGBT technologies**, ensuring efficiency up to 96% and a unitary output power factor.

The UPS are available in models with **internal batteries** or combined with external battery rack cabinets for longer autonomy. Our 1kVA, 2kVA and 3kVA models have the **hot-swappable battery pack** which facilitates quick replacement. The 6kVA and 10kVA models have the advantage of occupying only 2U. The **USB card** is included and the UPS are covered by a 3 year warranty.

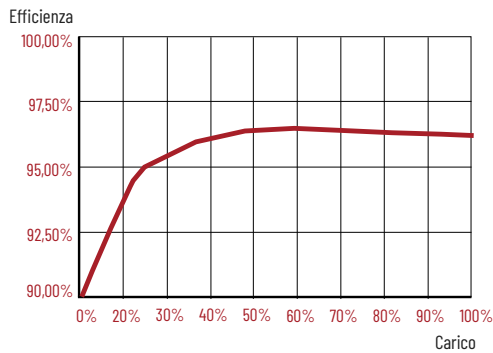
UPS ONLINE RACK 19"

PRINCIPALS FEATURES

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;

- Efficiency AC\AC up to 96%;



- Small size and dustproof front design with LCD display;
- Wide input tolerance, compatible with diesel generators;

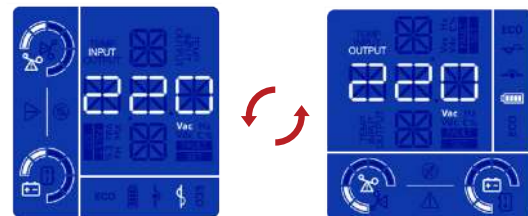
- Small footprint of only 2U even for 6 and 10kVA models;
- Possibility of installation in 19-inch rack or tower;
- Advanced DSP digital control technology for precise and rapid data processing;
- Detection and warning of faults to ensure the safety of the device, also monitoring the internal temperature of the UPS;
- Intelligent fans with high efficiency cooling, multiple modes to control their speed, extend their life and improve their efficiency.



Automatic fan control

STANDARD E COMMUNICATIONS

- Large rotary HD LCD screen, graphic interface and simplified display for an improved and user-friendly user experience;



- Output 208/220/230/240 Vac, 50 / 60Hz voltage, configurable from on-site display;
- ECO mode configurable from on-site display;
- 16 \ 17 \ 18 \ 19 \ 20 battery configuration via RS232 port (6-10kVA);
- RS232 and USB communication ports equipped with user manual, cable and CD for software;

- Maintenance bypass rack module (optional);
- SNMP network card for remote control and monitoring (optional);
- NC \ NO dry contact card for alarms (optional).



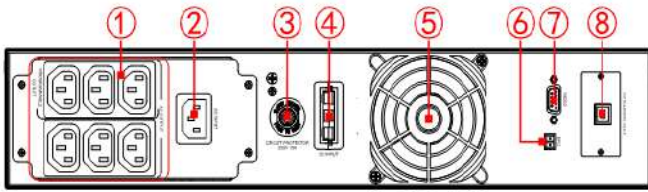
WARRANTY



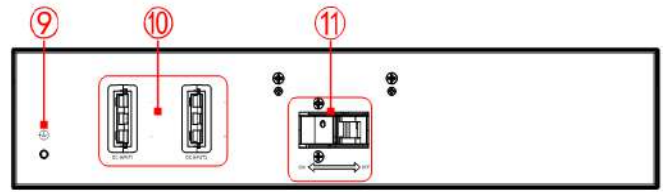
ASSISTANCE



IST3-J 1 KVA



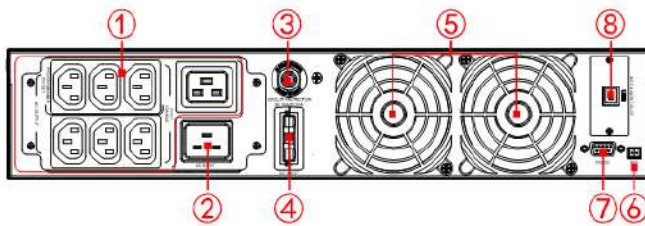
UPS



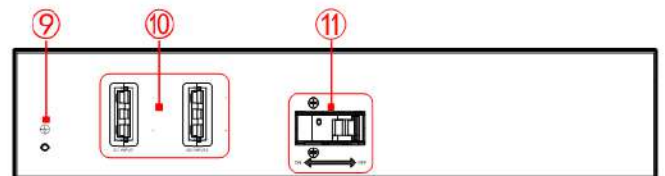
Battery box (optional)

- | | |
|----------------------------|------------------------------|
| 1. OUTPUT SOCKET; | 7. RS232 COMMUNICATION PORT; |
| 2. MAINS INPUT SOCKET; | 8. INTELLIGENT SLOT; |
| 3. OVER-CURRENT PROTECTOR; | 9. BATTERY GROUNDING PORT; |
| 4. EXTERNAL BATTERY PORT; | 10. BATTERY INPUT; |
| 5. COOLING FAN; | 11. BATTERY BREAKER. |
| 6. EPO CONNECTOR; | |

IST3-J 2-3 KVA



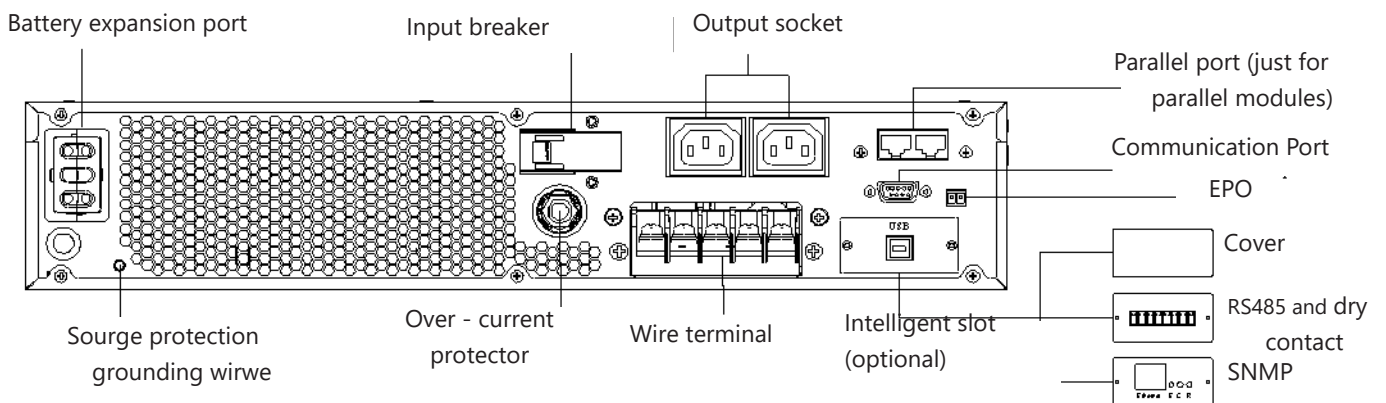
UPS



Battery box (optional)

- | | |
|----------------------------|------------------------------|
| 1. OUTPUT SOCKET; | 7. RS232 COMMUNICATION PORT; |
| 2. MAINS INPUT SOCKET; | 8. INTELLIGENT SLOT; |
| 3. OVER-CURRENT PROTECTOR; | 9. BATTERY GROUNDING PORT; |
| 4. EXTERNAL BATTERY PORT; | 10. BATTERY INPUT; |
| 5. COOLING FAN; | 11. BATTERY BREAKER. |
| 6. EPO CONNECTOR; | |

IST3-J 6-10 KVA



TECHNICAL SPECIFICATIONS

| MODELS | IST3J-1-3X9 IST3J-1 | IST3J-2-4X9 IST3J-2 | IST3J-3-6X9 IST3J-3 | IST3J-6-16X9 IST3J-6 | IST3J-10-16X9 IST3J-10 |
|------------------------------|---|------------------------|------------------------|--|---------------------------|
| INPUT | | | | | |
| VOLTAGE (VAC) | 120~295 | | | 80~275 | |
| FREQUENCY (HZ) | 50/60± 10% (50/60Hz Automatic regulation) | | | | |
| POWER FACTOR | ≥0.99 | | | | |
| THDi | <5% | | | | |
| OUTPUT | | | | | |
| POWER (VA) | 1000 | 2000 | 3000 | 6000 | 10000 |
| MAX. AC/AC EFFICIENCY | 92.00% | 92.5% | 93.3% | 96% | |
| POWER FACTOR | 1 | | | | |
| VOLTAGE (VAC) | 208/220/230/240±1% (configurable from Display) | | | | |
| FREQUENCY (HZ) | 50/60±0.2% (battery mode) | | | | |
| THD | THD <2% (linear loads) THD <5% (non-linear loads) | | | THD <1% (linear loads) THD <4% (non-linear loads) | |
| SWITCHING TIME (MS) | 0 | | | | |
| BATTERIES | | | | | |
| VOLTAGE (VDC) | 36 | 48 | 72 | 192~240 | |
| QUANTITY | 3× 9AH 12V | 4× 9AH 12V | 6× 9AH 12V | 16× 9AH 12V (16~20 configurable) | |
| MAX. CHARGING CURRENT (A) | 1-4 | 1-4 | 1-4 | 1/1~8 (configurable) | |
| OTHER SPECIFICATIONS | | | | | |
| COMMUNICATIONS | RS232+EPO+USB (slot) (SNMP, RS485+ optional dry contact card) | | | | |
| LCD DISPLAY | Voltage and Frequency input/output, Load level protected, State charge of the batteries, Temperature, UPS operation and Block/Fault | | | | |
| ALARMS | Low batteries, Abnormal Input, Overload, Block/Fault, ecc. | | | | |
| PROTECTION | Low batteries, Overload, Short-circuit, Over-temperature, ecc. | | | | |
| NOISE (DB) | < 50 | | | < 55 | |
| TEMPERATURE (°C) | -5~40 | | | | |
| HUMIDITY | 0 ~ 95% | | | | |
| DIMENSIONS (L×W×H) | 438×413×2U | 438×570×2U | | 438×500×2U (UPS)+ 438×500×3U (Batt. pack) | |
| WEIGHT (KG) | 11 | 19.8 | 24.8 | 10.6+45/10.6 | 12.2+45/12.2 |
| STANDARDS AND CERTIFICATIONS | CE (Reference standards: Safety IEC EN 62040-1; EMC IEC EN 62040-2; Classification IEC EN 62040-3) | | | | |

ALL INFORMATION IS INDICATIVE, MAY BE MODIFIED BY AEC AT ANY TIME AND DOES NOT CONSTITUTE CONTRACTUAL OBLIGATIONS.

YOUTUBE VIDEO TUTORIAL



ASSISTANCE 24\7 ON ALL SOCIAL NETWORK





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