



Made in Italy
Since **1968**
UPS
batteries
Italian technology
Global energy
solutions



IST3

SERIES

6 - 10 kVA

ONLINE UPS



DATA CENTER

HOME/OFFICE

TRANSPORT

INDUSTRY

EMERGENCY



DETAILS

The IST3 6-10kVA 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.

- High efficiency, up to 95%
- kVA=kW, Output PF=1
- 3 level of technology IGBT Rectifier and Inverter
- Self-aging function
- Intelligent digital charging management, maximum charger current up to 12A
- Smaller and compact size with higher power density
- Parallel up to 4 units
- Back up time up to 4 hours

Italy
AEC International Srl
20017 Rho (MI), ITALY
Tel: +39 0291531689



USA
Impact Power Inc.
Irvine, California 92614, USA
Tel: +1 949-4779198



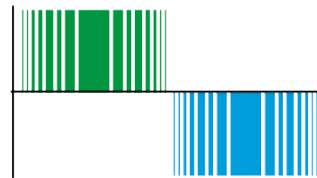
Taiwan
Allis Electric Co.Ltd
Taipei City 11501, Taiwan, R.O.C.
Tel: +866-2-26553456



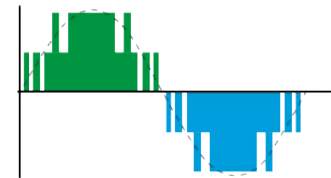


High Reliability

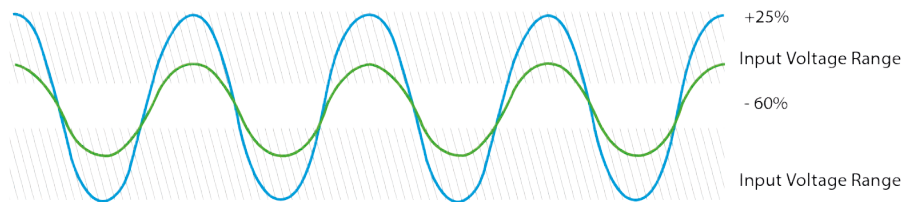
- Super wide input voltage range -60%~+25%
- Robust overload ability
- Dual system control card prevent single failure point
- IGBT rectifier benefit with low THDi (<3%) and high power factor
- Bus synchronization control function provides reliable high power for the dual bus application
- 3-level IGBT inverter ensures excellent performance
- Intelligent fan control according the load capacity reduces the noise and prolongs fan service life



Two level output voltage waveform



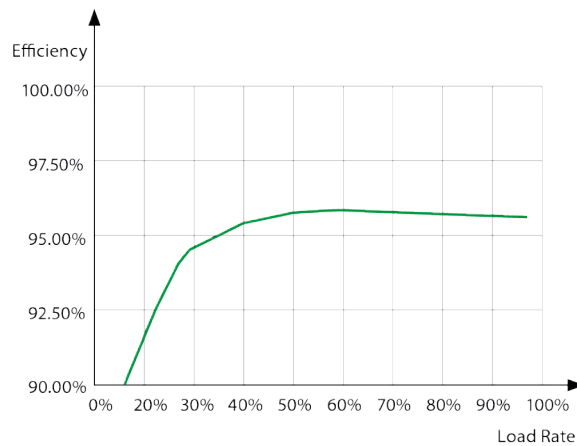
Three level output voltage waveform



wide input voltage range

Green Power

- High efficiency in online mode (≥95%) reduces heat dissipation and limits power consumption costs
- Efficiency>99% in ECO mode gives significant cost reduction



For example:

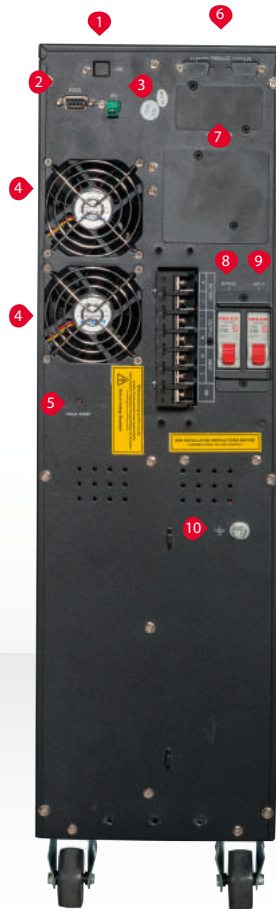
- AEC 200kVA UPS efficiency ranks 1% higher than industry average(94%)
- Saving UPS electricity 10512 kWh per year
- The equivalent of nearly 1681.92 USD saved per year (Calculation bases on 0.16USD/kWh).



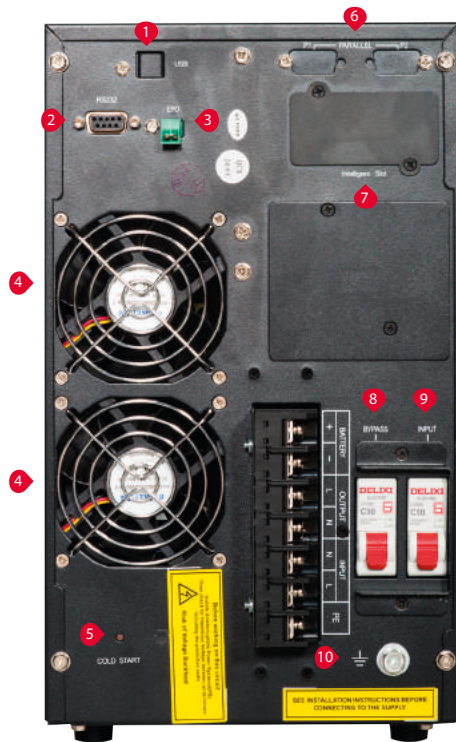
Save **\$1681.92** per Year!



Front panel



- 1. USB
- 2. RS232
- 3. EPO
- 4. Fans
- 5. Cold Start
- 6. Parallel P1-P2
- 7. Intelligent slot
- 8. Bypass switch
- 9. Input switch
- 10. Ground



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Front panel





IST3 6kVA TOWER

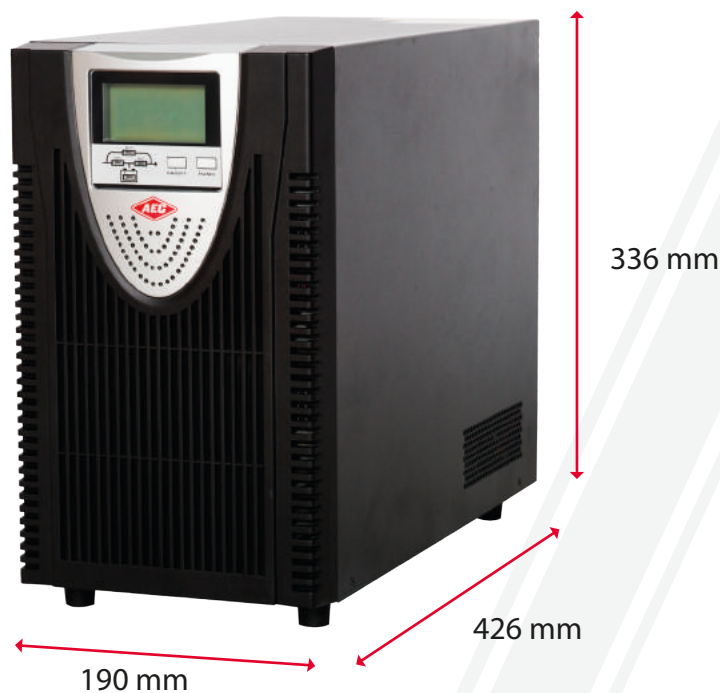


IST3 10kVA TOWER



IST3 6kVA LONG BACK UP TIME

for
external
batteries





IST3

Model	IST3060	IST3060-L	IST3100	IST3100-L
INPUT				
Capacity	6KVA/6KW		10KVA/10KW	
Cold Start	Yes, default frequency=50Hz or settable			
Acceptable Input voltage	110VAC - 288VAC			
	100% load @ > 176VAC			
	90% load @ > 160VAC			
	80% load @ > 140VAC			
Phase	single phase in, single phase out			
	60% load @ >110VAC			
Input Power Factor	≥0,99			
Input current	27,5A		47A	
Input Frequency range	40-70Hz			
Frequency adaptable	SI			
OUTPUT				
Output PF	1			
Nominal voltage	220/230/240VAC			
Waveform	pure sine wave			
Voltage regulation	± 1%			
THD	<2% THD, linear load			
	<5% THD, non linear load			
Frequency online	± 5Hz			
Frequency battery mode	± 0,1Hz			
efficiency (line mode)	95%			
ECO mode	98%			
Transfer time	0 ms (line mode to battery), 2 ms (inverter to bypass)			
Charger	1A	8A	1A	8A
Overload capability (inverter mode)	110%:for 10 min ;125%:for 1min: 150%:for 30 sec (shut down the bypass alter 1 min)			
Overload capability (Battery mode)	110%: shut down alter 1 min; 130%:shut down alter 10 sec: > 130%: shut down alter 200 ms			
Crest ratio	3 :1			
BATTERY				
Battery type	sealed lead acid maintenace free battery			
Battery nr.	12V, 7-9AH*16	External, (settable: 16/18/20)	12V, 7-9AH*16	External, (settable: 16/18/20)
INDICATOR & ALARM				
Display	LED + LCD			
INTERFACE				
Communication	DB9 port/RS232 Standard,			
optional	dry contact , USB port , SNMP , parallel kit, ECO Kit			
MECHANICAL				
Noise	< 47dB		< 50dB	
W*L*H (mm)	190*426*705	190*426*336	190*485*705	190*485*336
Net weight (kg)	56	14	60	16

