



Made in Italy

Since 1968

UPS

Batteries

Italian technology

Global energy

solutions



AEC from 50 years is present in 60 countries as global leader in the Electronic Power Supply markets.

AEC (As Allis Electric Company) founded in 1968, is a public company listed in Taipei stock exchange from 1994.

The AEC Group owns and controls 4 Factories worldwide located, 25 Offices and more than 110 Assistance Centers.

With more than 600 employees, all ISO certificates for every products manufactured, AEC has reached a global turnover of more than 150.000.000 USD in the 2018.



Continuous investments in AEC R&D always allow AEC products to be updated to the latest and more efficient technologies.

Uninterruptible Power Systems range manufactured by AEC starts from 500 VA up to 1000 kVA, covering all global customers needs.

Our New series of UPS adopts innovative Three Level Technology IGBT Rectifier with Super-High power efficiency and Smart-Friendly Data interface for users easy status monitoring.

AEC UPS interface communicates using advanced technologies by SNMP/Internet/4G, and coming soon 5G and Blockchain.

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Taipei City 11501, Taiwan, R.O.C.
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Our AEC Premium FREE RISK Assistance is a new generation of UPS monitoring Service.

All AEC UPS can be remotely connected, monitored and operated from everywhere in the world.

Thanks to our Network of Service centers the users can be supported 24/7 and remotely control, overlook, trace and record live all informations as well as apply functional and battery tests from the UPS's. Where Internet networks are not available, supporting 4G and 5G cellular network the users can easily see, trace and check UPS through SMS and Emails.

AEC Servers centers located worldwide allows an excellent full H24 live support.



Our reputation, reliability and efficiency allow us to provide a 3 years warranty on most of our products, with unbeaten satisfactions from our loyal and long-term business partners.

AEC is proud to have a very high customer base of long-term business relationship, with a top fidelity from our loyal customers.

WE ARE BEHIND THE POWER





PRODUCTS



In today's world where power requirements are increasing, the quality and reliability of utility power is decreasing.

Every day we are constantly exposed to power problems, such as power outages, sags or surges. Any of these problems can lead to disastrous consequences if you are not prepared.

Downtime caused by power problems cost industry billions of Euros over a year.

Industrial and commercial end users should be prepared for these problems and to solve them without consequences for their work activities.

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600 - 1500 VA

1:1

PHASE

IST1



LINE INTERACTIVE

pag 6 - 7

40 - 1000 kVA

3:3

PHASE

IST5AU



INDUSTRIAL ONLINE
DOUBLE CONVERSION
3 LEVEL UPS

pag 24 - 28

1 - 10 kVA

1:1

PHASE

IST3



ONLINE DOUBLE CONVERSION

pag 8 - 15

20 - 600 kVA

3:3

PHASE

IST6



MODULAR

pag 30 - 34

1 - 10 kVA

1:1

PHASE

IST3J



RACK ONLINE DOUBLE CONVERSION

pag 16 - 19

10 - 30 kVA

3:3

PHASE

IST7



ONLINE DOUBLE CONVERSION
3 LEVEL UPS

pag 36 - 39

10 - 20 kVA

3:1

PHASE

IST4



ONLINE DOUBLE CONVERSION
3 LEVEL UPS

pag 20 - 23

2 - 3 kVA

1:1

PHASE

IST8



LITHIUM ONLINE
DOUBLE CONVERSION
3 LEVEL UPS

pag 40 - 42



IST1

SERIES

600 - 1500 VA

LINE INTERACTIVE



DATA CENTER

HOME/OFFICE

TRANSPORT

INDUSTRY

EMERGENCY



DETAILS

The new IST1 UPS family available from this year has been developed in order to provide the best quality/price ratio in a market segment mostly dedicated to private users and/or small enterprises, for computers protection. The IST1 UPS is a simple user-friendly product, exceptionally robust and dramatically competitive.

- Line Interactive with response time <math><6\text{ msec}</math>
- Wide input voltage tolerance
- Start by batteries
- Digital control batteries
- SMD technology
- Lightning and HF interference
- Short-circuit protection
- Protected electronics
- Acoustic alarm

Guaranteed Protection

- The IST1 UPS adopts the digital on-line technology, with the load normally fed by the mains, controlled and stabilised by the internal AVR; when mains fail, the Inverter comes up and guarantees uninterrupted energy to the load protected.

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IST1

Model	IST1060	IST1080	IST1100	IST1150
Capacity	600VA/400W	800VA/510W	1000VA/600W	1500VA/900W
INPUT				
Voltage	From 165 to 275 vac			
Frequency	40-70Hz			
OUTPUT				
Nominal voltage	220VAC+/-15% mains present = +/-3% battery mode			
Voltage unbalance degree	15,00%			
Frequency	46-54Hz			
Frequency battery mode	50 ± 0,5Hz			
Overload capability	automatic protection > 150%			
Transfer time	< 6ms			
BATTERY				
Battery type	sealed lead acid maintenace free battery			
nr.	1x12V 7ah	1x12V 9ah	2x12V 7ah	2x12V 9ah
Autonomy	5 min	5 min	5 min	5 min
Recharging time	< 10 hours			
INTERFACE				
Communication optional	DB9 port, dry contact, USB port, RS232 port, SNMP			
MECHANICAL				
Noise	< 45dB			
W*L*H (mm)	100*287*142	100*287*142	146*397*205	146*397*205
Net weight (kg)	4,5	5	8	11



1. Input
2. Output
3. Fan
4. Power button
5. Warning lights



IST3

SERIES

1 - 3 kVA

ONLINE UPS



FINANCE TELECOMMUNICATION ENERGY MEDICAL GOVERNMENT



DETAILS

The new series of Uninterruptible Power Supply IST3 is composed by a huge range of On-Line Double Conversion models, completely digital controlled, suitable to protect different kind of loads, from servers to computers networks, from medical instruments to security and surveillance systems.

- Online double conversion with outgoing cosphi of 0.9
- Wide input voltage tolerance
- Start by batteries
- Digital control batteries
- Cooling fans at a controlled rate
- EMI/RFI
- RS232 port for monitoring software

- Cooling fans at a controlled rate
- Auto Electronics Protection
- Filter for network / fax / modem
- LCD display complete with all the information
- Automatic battery testing
- Lightning and HF interference
- PFC technology for harmonic low input

Guaranteed Protection

Thanks to the availability of additional battery chargers, the backup time of the IST3 UPS may be extended up to 4 hours.

The models can be connected in active and redundant parallel configuration, without any additional hardware or modification.

It is possible to interface the UPS to protected computer, through a software and its own serial/USB cable (standard) or to intra-internet networks through a SNMP agent (optional).

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Front panel

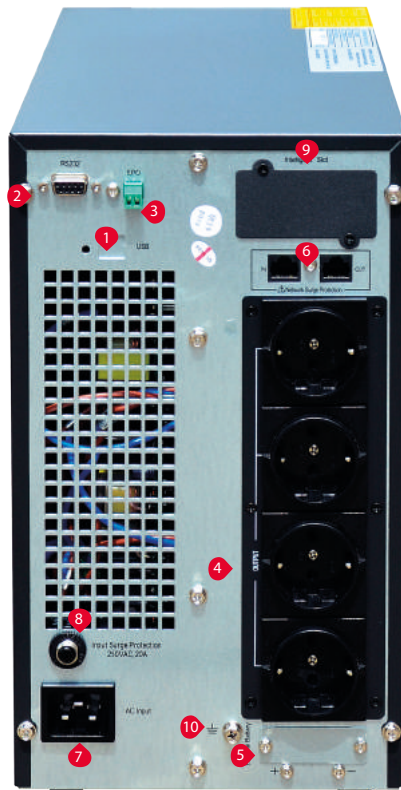


IST3 1kVA

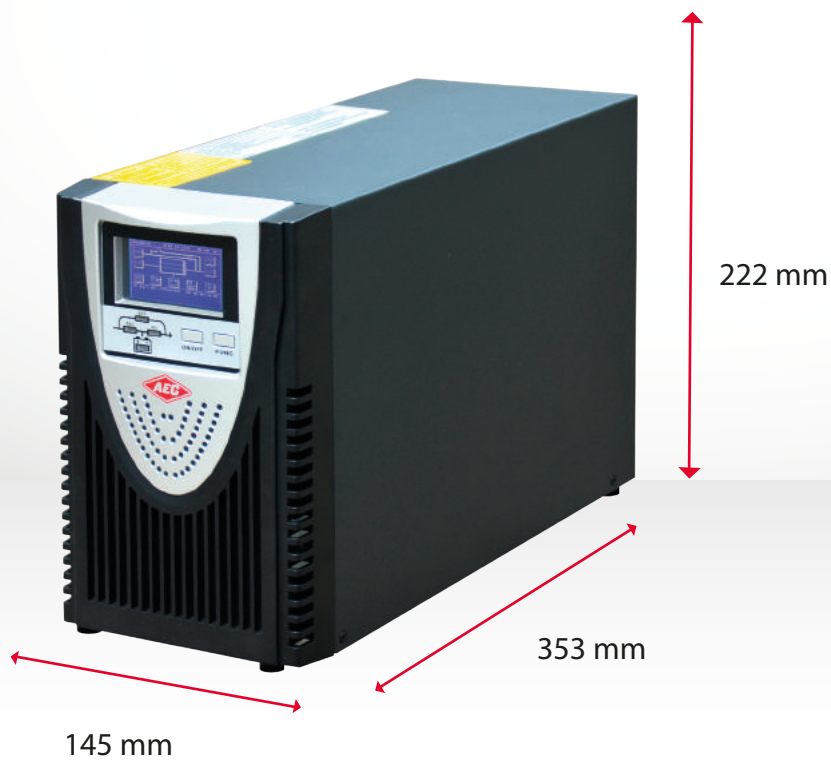
- 1. USB
- 2. RS232
- 3. EPO
- 4. Output
- 5. External battery slot
- 6. Network surge protection
- 7. Input
- 8. Input surge protection
- 9. Intelligent slot
- 10. Ground

IST3 2-3kVA

- 1. USB
- 2. RS232
- 3. EPO
- 4. Output
- 5. External battery slot
- 6. Network surge protection
- 7. Input
- 8. Input surge protection
- 9. Intelligent slot
- 10. Ground

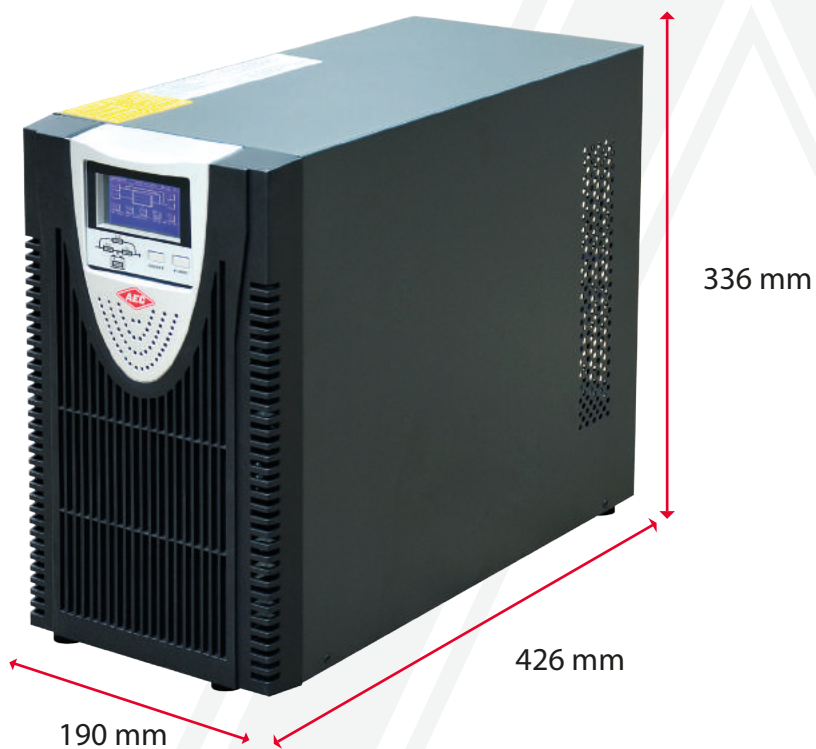


Front panel



IST3 1kVA TOWER

IST3 2-3kVA TOWER





IST3

Model	IST3010	IST3010-L	IST3020	IST3020L	IST3030	IST3030-L
INPUT						
Capacity	1KVA/0,9KW		2KVA/1,8KW		3KVA/2,7KW	
Cold Start	Yes, default frequency=50Hz or settable					
Acceptable Input voltage	110VAC - 288VAC					
	100% load @ > 176VAC					
	80% load @ > 154VAC					
	70% load @ > 132VAC					
Phase	50% load @ >110VAC					
	single phase in, single phase out					
Input Power Factor	≥0,95					
Input current	4,8A		9,6A		14,4A	
Input Frequency range	40-70Hz					
Frequency adaptable	Si					
OUTPUT						
Output PF	0,9					
Nominal voltage	220/230/240VAC					
Waveform	pure sine wave					
Voltage regulation	± 1%					
THD	<1% THD, linear load					
	<3% THD, non linear load					
Frequency online	± 5Hz					
Frequency battery mode	± 0,1Hz					
efficiency (line mode)	92%					
ECO mode	98%					
Transfer time	0 ms (line mode to battery), 2 ms (inverter to bypass)					
Charger	1A	8A	1A	8A	1A	8A
Overload capability (line mode)	105%-130% transfer to bypass after 1 min					
	150% transfer to bypass after 30 secs					
Crest ratio	3 : 1					
BATTERY						
Battery type	sealed lead acid maintenance free battery					
Battery voltage Vdc	36		72		96	
INDICATOR & ALARM						
Display	LED + LCD					
INTERFACE						
Communication	DB9 port/RS232, dry contact (optional), USB port (optional), SNMP (optional)					
MECHANICAL						
Noise	< 47dB		< 50dB		< 50dB	
W*L*H (mm)	145*353*222		190*374*336		190*428*336	
Net weight (kg)	12	6	21	11	26	12



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 to provide clean, safe, and stable power to loads.

- High efficiency, up to 96%
- 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

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High Reliability

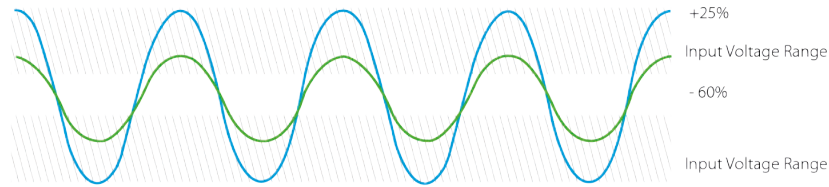
- Super wide input voltage range -60%~+25%
- Robust overload ability
- Dual system control card prevent single failure point
- IGBT rectifier benefit with low THDi (<3%) and high power factor
- Bus synchronization control function provides reliable high power for the dual bus application
- 3-level IGBT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



Two level output voltage waveform



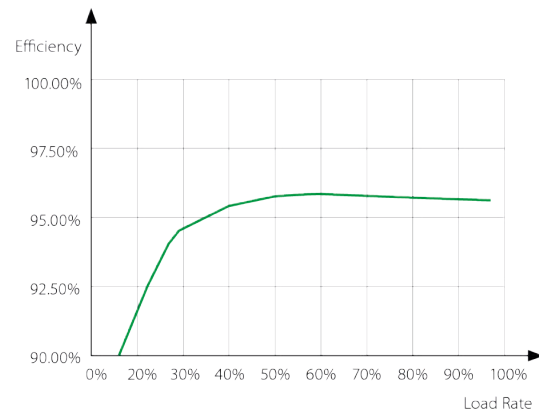
Three level output voltage waveform



wide input voltage range

Green Power

- High efficiency in online mode ($\geq 96\%$) reduces heat dissipation and limits power consumption costs
- Efficiency > 99% in ECO mode gives significant cost reduction



For example:

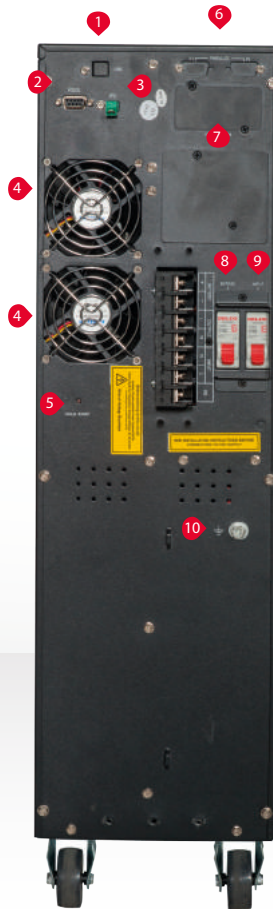
- AEC 200 kVA UPS efficiency ranks 2% higher than industry average (94%)
- Saving UPS electricity 10512 kWh per year
- The equivalent of nearly 1681.92 USD saved per year (Calculation bases on 0.16USD/kWh).



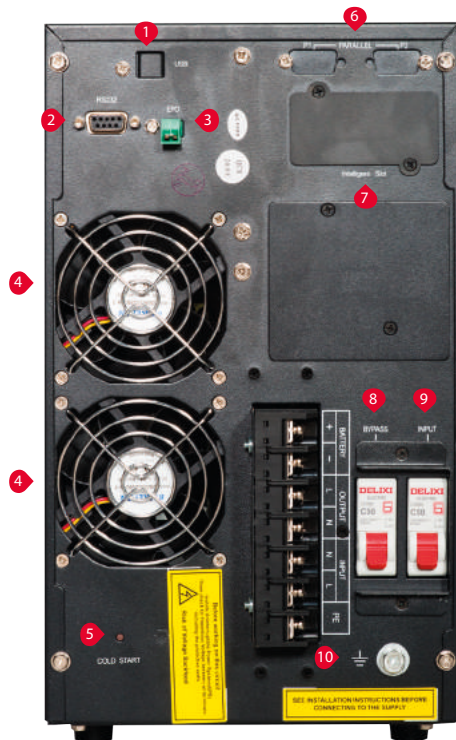
Save **\$1681.92** per Year!



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



- 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



Front panel





IST3 6kVA TOWER

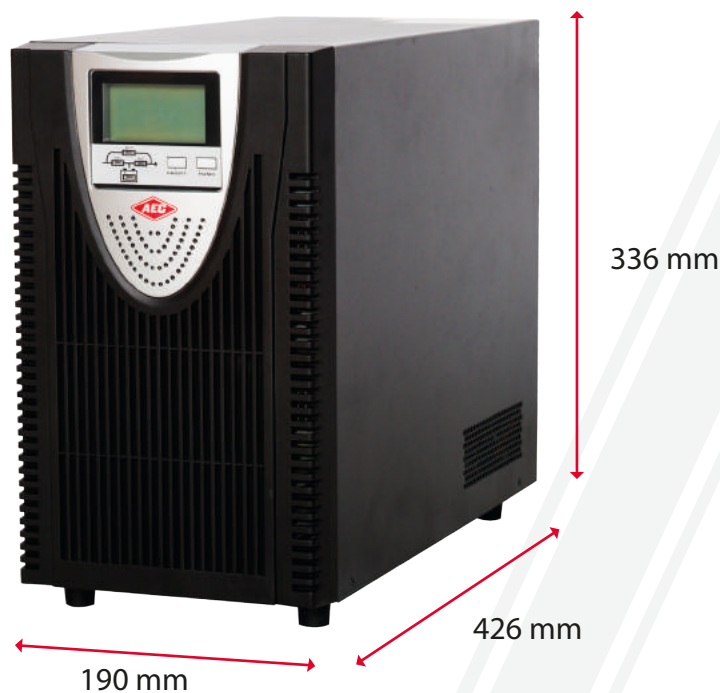


IST3 10kVA TOWER



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	60% load @ >110VAC			
	single phase in, single phase out			
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





GRUPPI DI CONTINUITÁ

PROGETTATI PER SODDISFARE

LE ESIGENZE DI AZIENDE IN

TUTTO IL MONDO

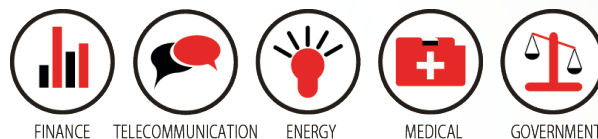


IST3J

SERIES

1 - 10 kVA

ONLINE UPS



FINANCE TELECOMMUNICATION ENERGY MEDICAL GOVERNMENT



DETAILS

The new series of Uninterruptible Power Supply IST3 J is composed by a huge range of RACK 19" On-Line Double Conversion models, completely digital controlled, suitable to protect different kind of loads, from servers to computers networks, from medical instruments to security and surveillance systems.

- Online double conversion with outgoing cosphi of 0.9 (6-10kVA cosphi of 1)
- Rack mount 19"
- Wide input voltage tolerance
- Start by batteries
- Digital control batteries
- Lightning and HF interference
- Cooling fans at a controlled rate
- Auto Electronics Protection
- Filter for network / fax / modem
- LCD display complete with all the information
- EMI / RFI
- RS232 port for monitoring software
- PFC technology for harmonic low input

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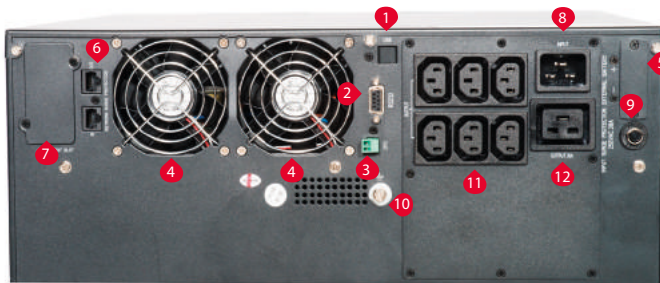
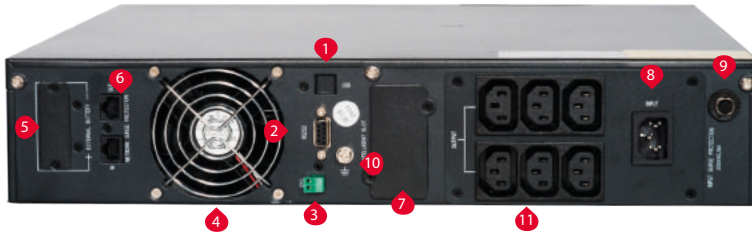


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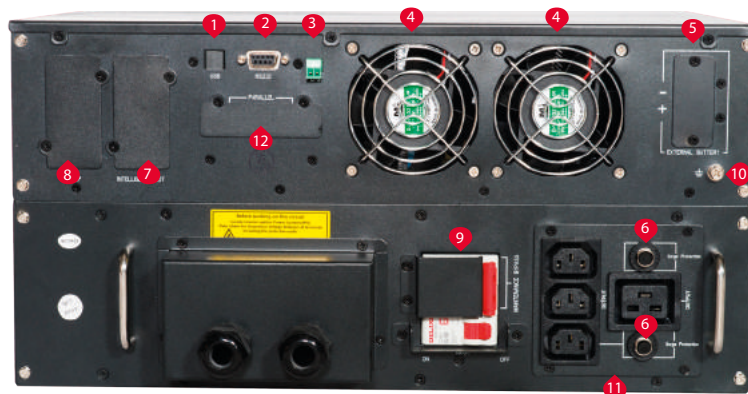
IST3J 1kVA



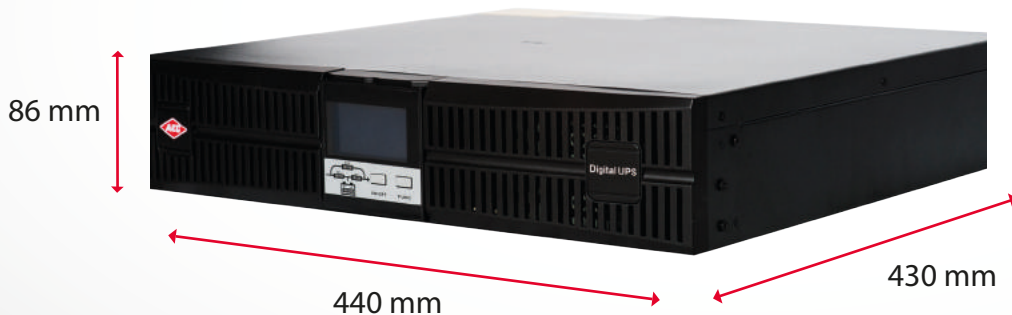
1. USB
2. RS232
3. EPO
4. Fans
5. External battery
6. Network surge protection IN/OUT
7. Intelligent slot
8. Input
9. Input surge protection
10. Ground
11. Output
12. Output 16A

IST3J 2-3kVA

1. USB
2. RS232
3. EPO
4. Fans
5. External battery
6. Network surge protection
7. Intelligent slot
8. SNMP
9. Maintenance bypass
10. Ground
11. Output
12. Parallel



IST3J 6-10kVA

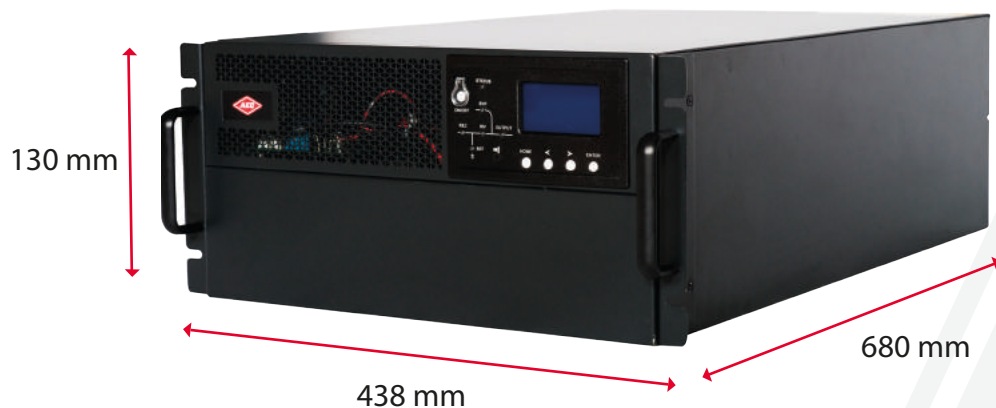
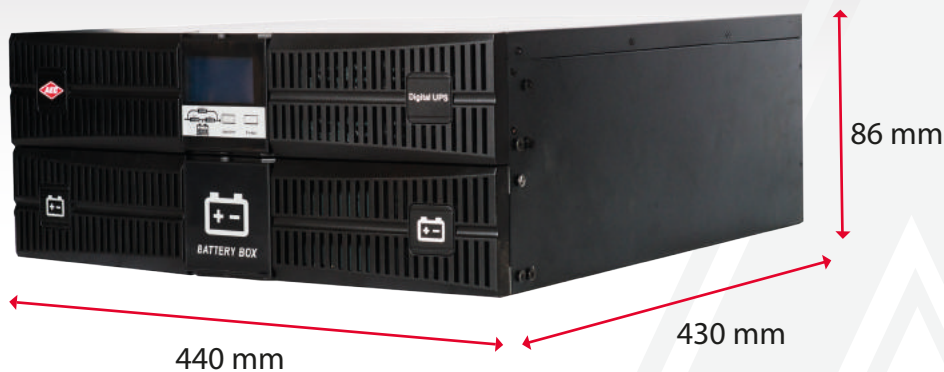


IST3J
1kVA

RACK/TOWER

IST3J
2-3kVA

RACK/TOWER



IST3J
6-10kVA

RACK/TOWER

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IST3J

Model	IST3100010J	IST3100020J	IST3100030J	IST3100060J	IST3100100J
Input current					
Capacity	1KVA/0,9KW	2KVA/1,8KW	3KVA/2,7KW	6KVA/6KW	10KVA/10KW
Cold Start	Yes, default frequency=50Hz or settable				
Acceptable Input voltage	110VAC - 288VAC				
	100% load @ > 176VAC				
	80% load @ > 154VAC				
	70% load @ > 132VAC				
Phase	50% load @ >110VAC				
	single phase in, single phase out				
Input Power Factor	≥0,97			≥0,99	
Input current	4,8A	9,6A	14,4A	27,5A	47A
Input Frequency range	40-70Hz				
Frequency adaptable	Si				
OUTPUT					
Output PF	0,9				
Nominal voltage	220/230/240VAC				
Waveform	pure sine wave				
Voltage regulation	± 1%				
THD	≤ 1% THD, linear load				
	≤ 3% THD, not linear load				
Frequency online	± 5Hz				
Frequency battery mode	± 0,1Hz				
efficiency (line mode)	> 93%				
ECO mode	> 98%				
Transfer time	0 ms (line mode to battery), 2 ms (inverter to bypass)				
Charger	1A	1A	1A	1A	1A
Overload capability (line mode)	105%-130% 1 min			110% 60 min	
	150% 30 sec			130% 1 min	
	150% 30 sec, shut down after 1 minuto				
Crest ratio	3 :1				
BATTERY					
Battery type	sealed lead acid maintenace free battery				
Battery voltage Vdc	36	72	96	192	
INDICATOR & ALARM					
Display	LED + LCD				
INTERFACE					
Communication	DB9 port/RS232, dry contact (optional), USB port (optional), SNMP (optional)				
MECHANICAL					
Noise	< 47dB	< 50dB	< 50dB	< 55dB	
W*L*H (mm)	440*430*86 (int.batt)	440*480*173 (int.batt)	440*480*173 (int.batt)	440*650*175 (int.batt)	440*650*175 (int.batt)
Net weight (kg)	12	25	31	62	71
W*L*H (mm)	440*430*86	440*430*86	440*430*86	438*680*130	438*680*130
Net weight (kg)	7	8	10	19	22

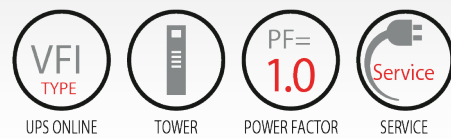


IST4

SERIES

10 - 20 kVA

ONLINE UPS



DETAILS

The new series of Uninterruptible Power Supply IST4 is composed by an Innovative True Three Level Technology, On-Line Double Conversion models, completely digital controlled, suitable to protect different kind of loads, from servers to computers networks, from medical instruments to security and surveillance systems.

- Advanced microprocessor control and IGBT inverter
- High energy efficiency and low waste heat dissipation
- Active battery management for fault prediction

- High efficiency, up to 96%
- 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
- Optional specialised ups management software
- Failsafe internal bypass switch with manual control

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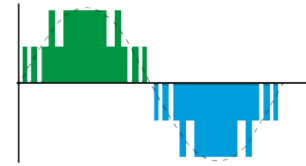


High Reliability

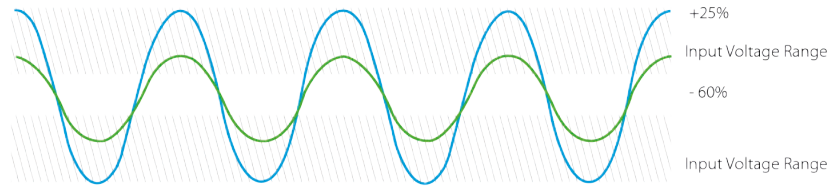
- Super wide input voltage range -60%~+25%
- Robust overload ability
- Dual system control card prevent single failure point
- IGBT rectifier benefit with low THDi (<3%) and high power factor
- Bus synchronization control function provides reliable high power for the dual bus application
- 3-level IGBT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



Two level output voltage waveform



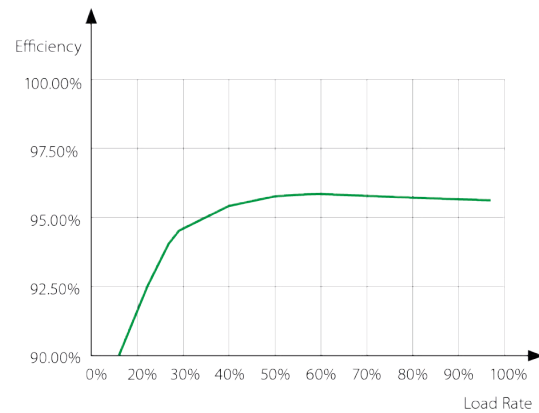
Three level output voltage waveform



wide input voltage range

Green Power

- High efficiency in online mode ($\geq 96\%$) reduces heat dissipation and limits power consumption costs
- Efficiency > 99% in ECO mode gives significant cost reduction



For example:

- AEC 200 kVA UPS efficiency ranks 2% 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).

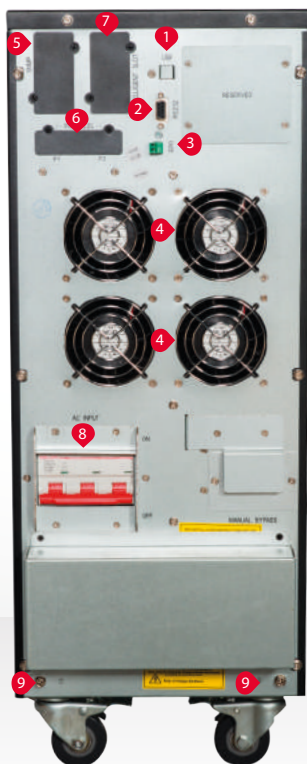


Save **\$1681.92** per Year!



IST4

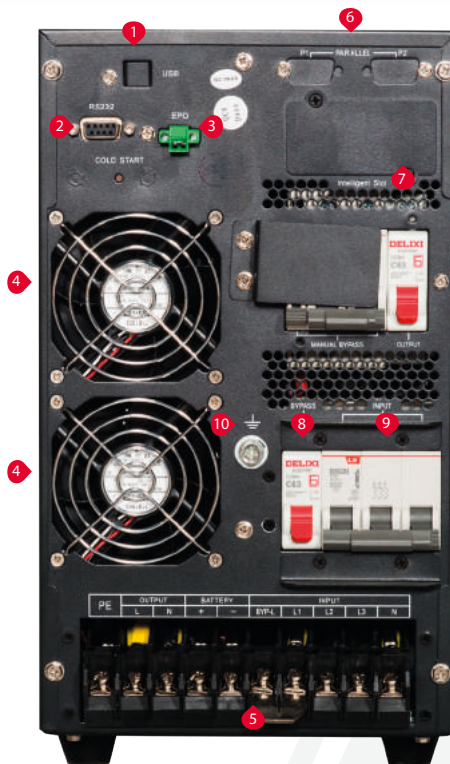
- 1. USB
- 2. RS232
- 3. EPO
- 4. Fans
- 5. SNMP
- 6. Parallel P1-P2
- 7. Intelligent slot
- 8. Input switch
- 9. Ground



Front panel



Front panel



IST4L

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





IST4 10kVA

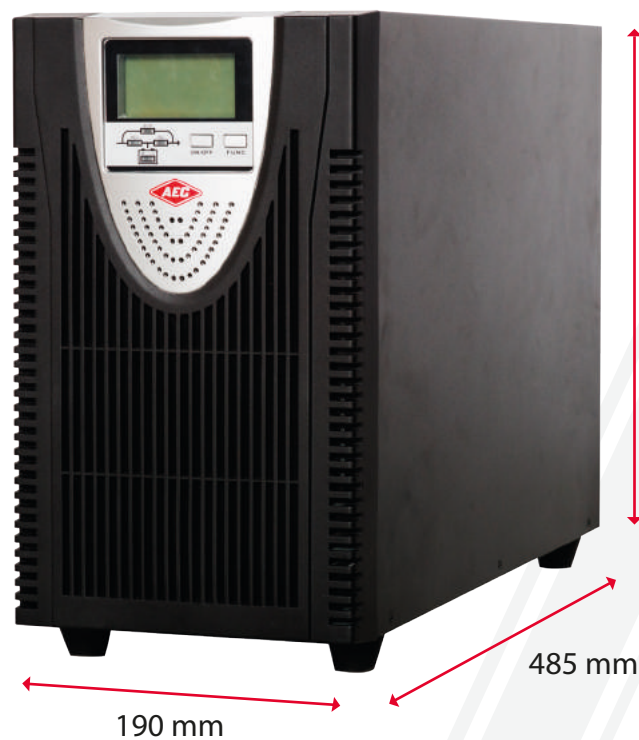
640 mm

526 mm

250 mm

IST4L 10-20kVA

for
external
batteries



480 mm

485 mm

190 mm



IST4

AEC UPS MODEL	IST4100	IST4100-L	IST4150	IST4200
INPUT				
Capacity	10KVA/10KW	10KVA/10KW	15KVA/15KW	20KVA/20KW
Cold Start	YES - Default output frequency will be 50Hz or settable			
Acceptable Input voltage	L-L 190VAC~499VAC == 100% load@>305VAC - 75% load@>228VAC - 50% load@>190VAC			
Input Phases	Three phases/Single phase + Neutral in, Single phase out			
Transfer Voltage Range	L-L 380/400/415VAC			
-Line low transfer / recovery	190-209 VAC			
-Line high transfer / recovery	499-486 VAC			
Max Input Current	20A/380V		30A/380V	40A/380V
-Input Power Factor & THD Distortion	≥0.99 == ≤5%			
-Input Frequency Range	40~70Hz			
OUTPUT				
Frequency adaptable	From 50 to 60 Hz Settable			
Output Voltage	Pure Sine Wave			
-Nominal voltage	L-N 220VAC/230VAC/240VAC, 200VAC/208VAC (PF=0.9)			
-Voltage regulation	± 1 %			
-Voltage distortion	≤1% THD, linear load - ≤3% THD, non linear load			
Output Frequency	Synchronization range ±5Hz default, settable == Battery mode (50Hz ±0.1) default			
Efficiency				
-Line mode with battery full charged	94%@100% load, 94.5%@70% load		94.2%@100% load, 95%@70% load	94.2%@100% load, 95%@50% load
-ECO mode	98%			
Overload Capability (Inverter Mode)	105% to 110% : Transfer to bypass after 10 mins			
	111% to 125% : Transfer to bypass after 1 min			
	126% to 150% : Transfer to bypass after 30 s			
BATTERY				
Quantity & DC Voltage	16-20PCS settable == 192-240 Vdc default, settable			
Charging current (max)	5A max, settable			
-Float and Boost Charging Voltage	2.25V/cell default, settable via software			
Interfaces				
-Smart RS232	Standard Cable, supports AEC Power Monitor Software			
-EPO	NC, NO settable			
Optionals available				
-Intelligent kits	DB9/Phoenix terminal for dry contacts – USB B-type port – SNMP Internal pluggable			
-Parallel	Upto 4 units paralleleable			
-Super Charger (12A)	Digitally controlled, 4 steps charge, settable			
Environment				
-storage	From -40° upto 70°			
-working	From 0° upto 40°, humidity 95% non condensing, altitude <3000m (@ full load)			
Noise Level (at 1 mt)	<55dB		<58dB	
Mechanical				
-WxDxH (mm)	190*485*705	190*485*336		190*485*480
-Net Weight (Kg)	60 (w/batteries)	20		30





UNINTERRUPTIBLE POWER SUPPLY

DESIGNED TO SATISFY
COMPANIES NEEDS

WORLDWIDE



IST5AU

SERIES

40 - 1000 kVA

ONLINE UPS

3:3

PHASE



FINANCE



TELECOMMUNICATION



ENERGY



MEDICAL



GOVERNMENT



UPS ONLINE



TOWER



POWER FACTOR



SERVICE



DETAILS

- True Three Level Rectifier and Inverter Technology
- Ultra High Energy Efficiency
- Full Rated Power Factor kW=kVA

Guaranteed Protection

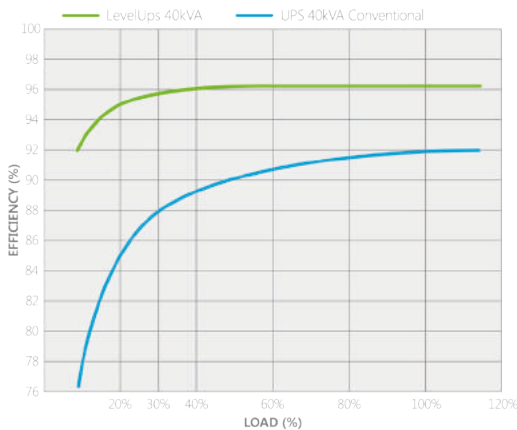
- IST5AU Series with Innovative 3 Level Technology is a true on-line double conversion, three-phase UPS system that provides one of the highest level energy efficiencies in the industry.
- Three level inverter & rectifier design IST5AU Series brings the newest power conversion technology and delivers efficiency up to 96% at 50-75% load operation which is the most common operating range.





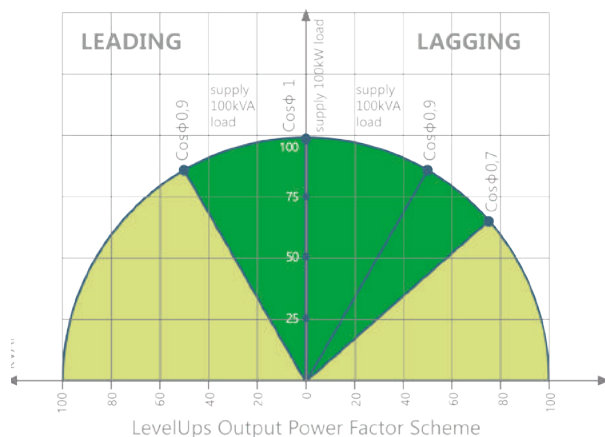
High Efficiency & Low Total Cost of Ownership

- Less energy consumption to supply the loads thanks to high efficiency up to 96%.
- Reduced energy loss.
- Reduced electricity usage and air conditioning requirements.
- Reduction in operating cost of UPS.
- IGBT based power factor correction technology provides input power factor close to 1 ($\geq 0,99$). The high input power factor leads to reduced electricity pay-out, minimizes cable, switchboard, fuse and generator requirements, thus reducing investment cost.
- Low input current total harmonic distortion (THDi) less than 3% helps to avoid the disturbance and expensive harmonic filters.
- Small footprint and easy maintenance.



High Output Power Factor

- Output power factor of 1 (kVA=kW) rate provides up to 25% more active power than a traditional UPS.
- Suitable for modern power supply application with unit or capacitive power factor (e.g. new servers generation).
- No reduction in active power from 0,9 leading to 0,9 lagging.



Maximum Availability

- Parallel configuration up to 8 units per redundancy (N+1) and power increase.
- Loop connection helps the UPS system to continue the operation when the connection cable is interrupted.

Standard Electrical Features

- Dual Input
- Common Battery
- Backfeed Protection
- Cold Start (Optional)
- Advanced Battery Management
- Short Circuit and Overload Protection
- Parallel Ready
- Redundant Power Supply
- Power Walk-in for Progressive Rectifier Start-up when the Input Main is Restored.
- Battery Temperature Sensor
- Static and Manual Bypass Operation

Advanced Communication Features

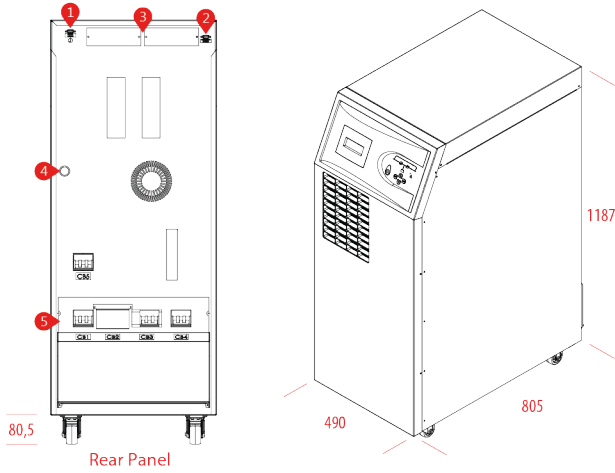
- 500 Real Time Event Log with Detailed Parameters
- User Friendly Multilingual 320x240 Graphic Display Provides Operation Informations
- Monitoring and Shutdown Software
- RS232 Serial and RS485 Ports
- Modbus RTU (Optional)
- 2 Communication Slots
- Remote Emergency Power Off (Optional)
- Remote Display Panel (Optional)
- Dry Contact (Optional)
- SNMP (Optional)
- ProfiBUS (Optional)

Flexibility

- Temperature sensor for external battery cabinets for extended runtimes.
- External battery cabinets for different sizes of batteries to provide extended runtimes.
- Frequency converter mode.
- Isolation transformers to vary neutral connectivity in the event of separate power sources or for galvanic isolation between input and output.
- Compatible version with EN 50171 for supplying power to emergency lighting systems.

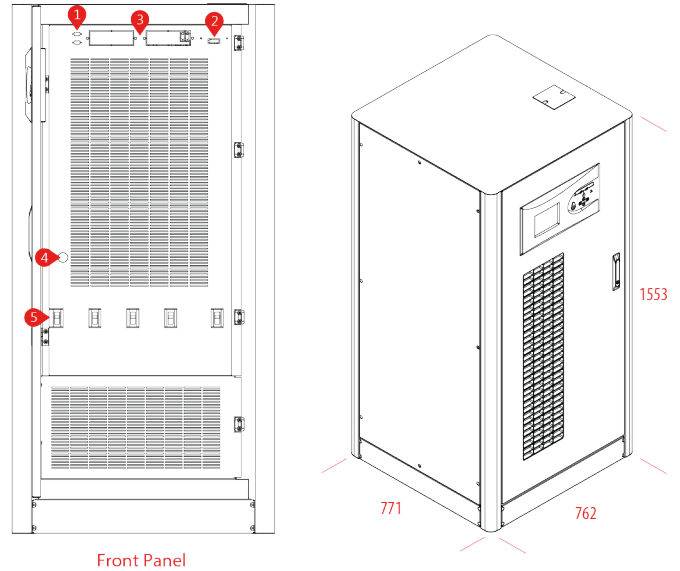


IST5 AU SERIES 40 kVA
IST5 AU SERIES 60 kVA (Power Factor 0.9)



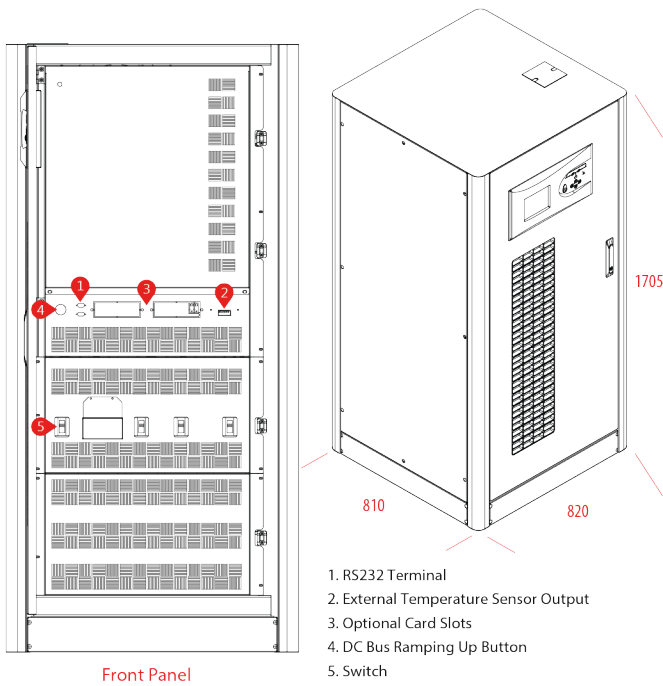
- 1. Parallel Port Terminal
- 2. RS232 Terminal
- 3. Optional Card Slots
- 4. DC Bus Ramping Up Button
- 5. Switch

IST5 AU SERIES 60-80 kVA



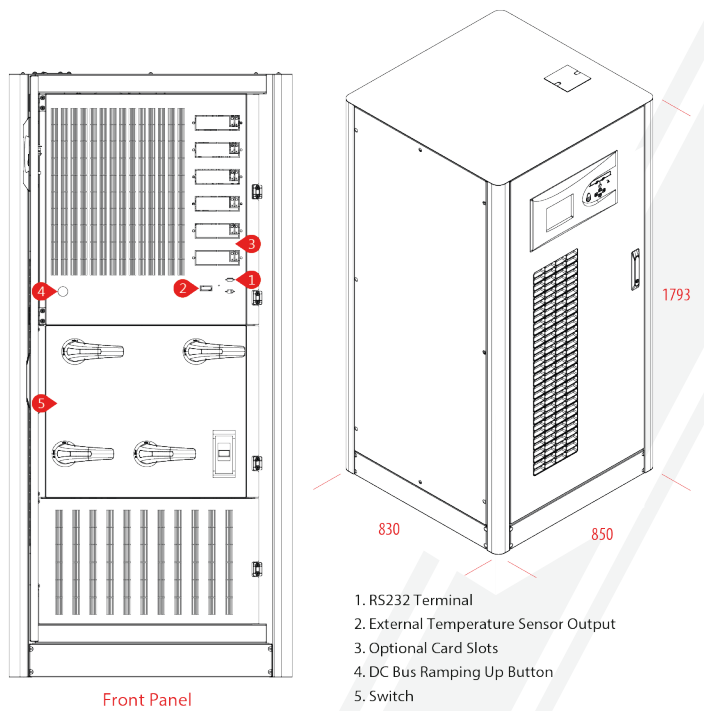
- 1. RS232 Terminal
- 2. External Temperature Sensor Output
- 3. Optional Card Slots
- 4. DC Bus Ramping Up Button
- 5. Switch

IST5 AU SERIES 100-120 kVA



- 1. RS232 Terminal
- 2. External Temperature Sensor Output
- 3. Optional Card Slots
- 4. DC Bus Ramping Up Button
- 5. Switch

IST5 AU SERIES 160-200-250 kVA



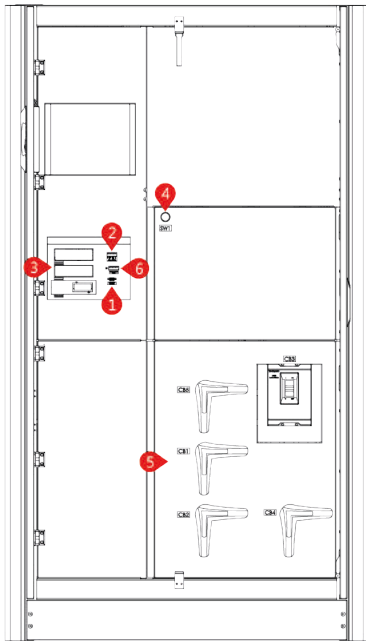
- 1. RS232 Terminal
- 2. External Temperature Sensor Output
- 3. Optional Card Slots
- 4. DC Bus Ramping Up Button
- 5. Switch



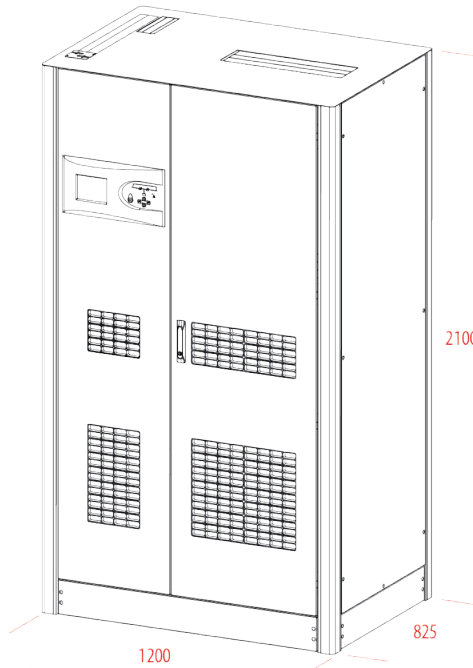


DETAILS

IST5 AU SERIES 300-400-500 kVA

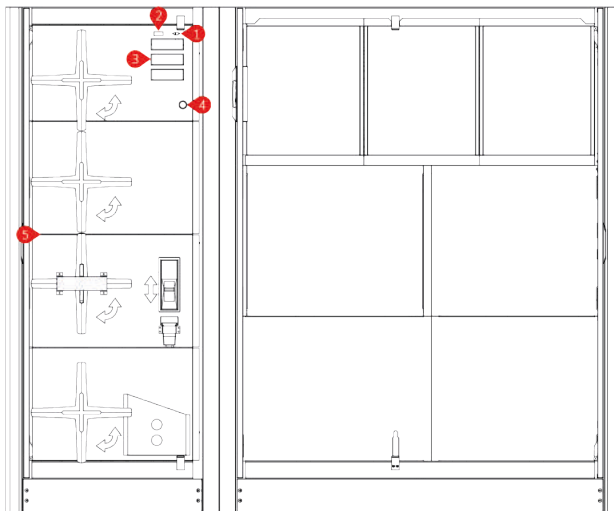


Front Panel

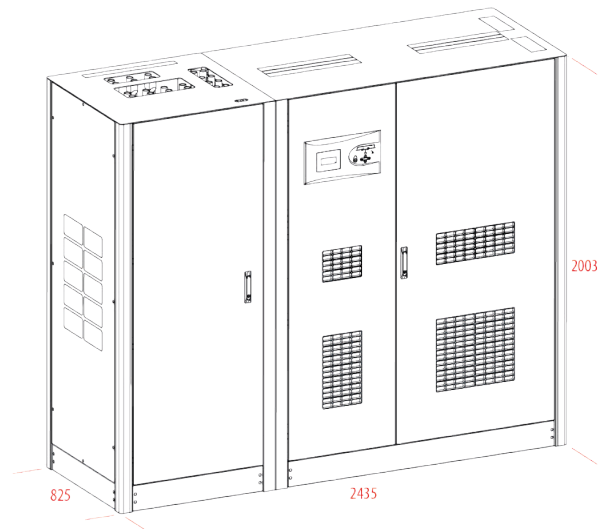


- 1. RS232 Terminal
- 2. External Temperature Sensor Output
- 3. Optional Card Slots
- 4. DC Bus Ramping Up Button
- 5. Switch
- 6. Optional Modbus

IST5 AU SERIES 600-800 -1000 kVA



Front Panel



- 1. RS232 Terminal
- 2. External Temperature Sensor Output
- 3. Optional Card Slots
- 4. DC Bus Ramping Up Button
- 5. Switch



IST5AU

Model	IST5040AU	IST5060AU	IST5080AU	IST5100AU	IST5120AU	IST5160AU	IST5200AU	IST5250AU	IST5300AU	IST5400AU	IST5500AU	IST5600AU
MAIN INPUT												
Capacity	40KVA	60KVA	80KVA	100KVA	120KVA	160KVA	200KVA	250KVA	300KVA	400KVA	500KVA	600KVA
Input voltage	380/400/415V - 50/60Hz											
Input connection	3ph+N+PE											
Power factor	>0,99											
Input current THD	<3%											
Input voltage window	-20% / +25% full load											
Frequency window	45-65Hz											
BYPASS INPUT												
Bypass voltage	380/400/415V											
Bypass voltage window	-20 / + 15% full load											
Frequency window	±5Hz											
Battery												
Battery voltage	372 – 0 – 372VDC						360 – 0 – 360VDC					
Charger power	20% nominal power											
Charger voltage precision	1,00%											
OUTPUT												
Inverter topology	3 LEVEL DIGITAL IGBT											
Power factor	1											
Output voltage	380/400/415V											
Voltage precision	±0,5% (balance load) 1% (unbalance load)											
Output voltage transient	5% (0-100% load step))											
Voltage THD	THD<1% (linear load) / THD<5% (non linear load)											
Frequency tracking range	50/60Hz±3Hz, adjustable											
Frequency precision (free running)	±0,02%											
Phase tolerance	120° ±0,5°											
Voltage unbalance degree	Da 0,5Hz/s a 5Hz/s adjustable											
Frequency racking speed	3:1											
Overload capability	102% operation time - 110% after 1 hour - 125% after 10 min - 150% after 1 min - > 150% after 200 ms											
Bypass overload capability	125% operation time - Da 125% a 130% after 1 hour - Da 130% a 150% after 6 min - >1000% after 100 ms											
SYSTEM												
System efficiency	> 95%											
Battery mode efficiency	ECO mode 99%											
Battery configuration	12V 62 pcs						12V 60 pcs from 160 kVA in external battery pack					
Display	LCD+LED touch screen											
EMI	EN62040-1-2-3 EN60950											
EMS	IEC61000-4-2(ESD), IEC61000-4-3(RS), IEC6100-4-4 (EFT), IEC6100-4-5											
Insulation resistance	>2m (500Vcc)											
IP class	IP20											
Interface (communication ports)	RS232 standard / RS485, dry contact , SNMP, remote EPO optional											
Operation temperature	0-40°C											
Relative humidity	0-90% (non condensing)											
Noise (dB)	<65dB											
Weight (Kg)	173	323	331	353	368	475	490	553	850	850	1350	1740
Dimension (W*D*H) (mm)	490*805*1190	763*771*1555		810*820*1705		830*870*1800			1250*845*2102			

All information contained in this brochure is purely indicative and cannot be used to form any contractual obligations. Specifications or design can be changed at anytime without notice.



AFFIDABILITÀ

COMPETENZA

INNOVAZIONE





IST6

SERIES

Modular

ONLINE UPS



DATA CENTER

HOME/OFFICE

TRANSPORT

INDUSTRY

EMERGENCY



DETAILS

The new series of IST6 UPS provides optimal solutions for power protection of any type of three-phase load, adopting NEW Modular technology to ensure total system reliability and a very competitive price.



- On-line double conversion with output power factor 0.9 (1 optional)
- PFC technology for low harmonics input THD
- Start by batteries
- Parallelable up to 6 units
- LCD display complete with all the informations
- EMI / RFI filters

Guaranteed Protection

- The advanced features of all the working sections of the UPS DSP digital control system ensure high reliability in highly stressful situations, such as highly fluctuating networks, distortion, dynamic loads and unbalanced, multiple blackouts newspapers. The sinusoidal input with low THD and the power factor 1 of the UPS IST6 make our UPS the ideal solution for low / zero impact on the power grid.
- The UPS IST6 can be connected in parallel up to 6 units of the same capacity, in the active power, redundant or hot-standby configurations.

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



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



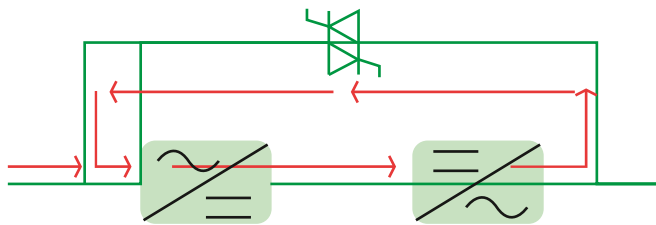
Taiwan
Allis Electric Co.Ltd
Taipei City 11501, Taiwan, R.O.C.
Tel: +866-2-26553456





High Reliability

- Each power module has an independent LCD, gives users' direct overview of status data and alarms in real time
- Provide graphical and text based information of alarms, status data, instructions that users can have more friendly and safer operation
- Cooling air flows in the lower layer, keeping the upper PCB free of dust
- One airflow channel ensures fans redundancy, even one fan fails, power module can run normally
- Smart Sleep
- Self-aging
- Programmable DryContact



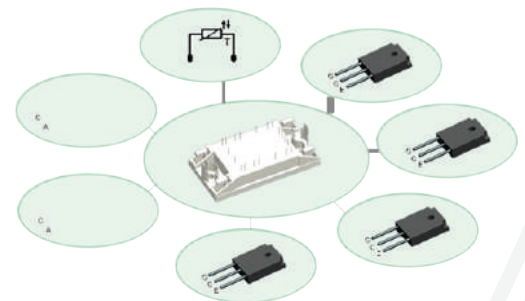
Self-aging is an advanced function applied in all three phase UPS. Self-aging function can test UPS under different load situation without real load, saving more than 90% energy.

- Simulate different load conditions without connecting to any real load, saving 90% of energy

On site setting supported, easy for factory testing.

Intelligent Management

- In each power module, information of critical components is monitored and displayed in real time, giving customers a view of inner status of the system and providing reminder information for maintenance
- Maintenance reminder, running time of capacitors and fans displayed and recorded
- Comprehensive temperature monitoring for thermal abnormal detection
- Intelligent battery charger for long battery life



Flexible Design

- Instead of discrete IGBT and SCR components, IST6 series UPS uses modular IGBT and SCR in Rectifier and Inverter, bringing in extremely high reliability
- All components in one module, less fault points, higher reliability
- All components integrated as one modular design, smaller disparity
- Less space needed, UPS with compact design and higher power design
- Integrate dinner thermal sensors display IGBT inner temperature directly

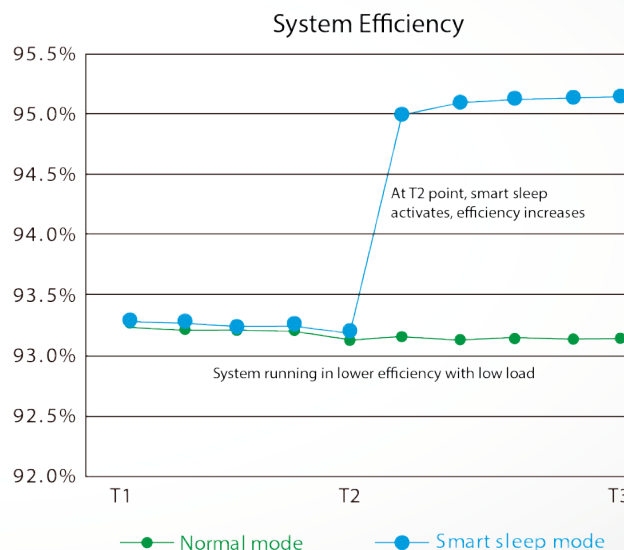
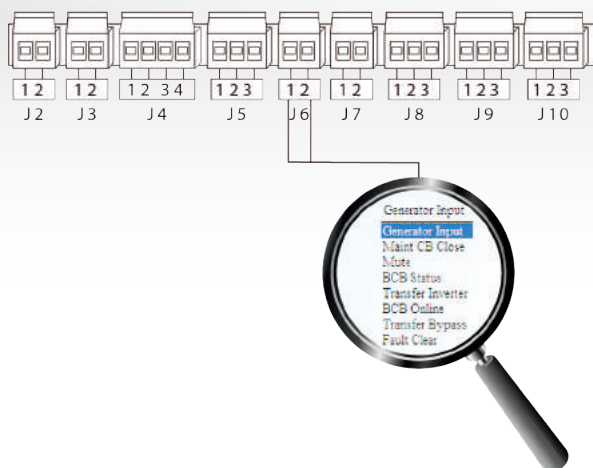




Smart sleep function

Smart sleep function can intelligently make some power modules go to sleep when load is relatively low, improving the efficiency of the remaining power modules and saving customers on power and cooling costs.

- Improving efficiency, reducing power and cooling costs.
- Easy setting with just two steps. Customers can select sleep mode and rotation period
- Power modules working in rotation, prolong the life time



Programmable dry contacts

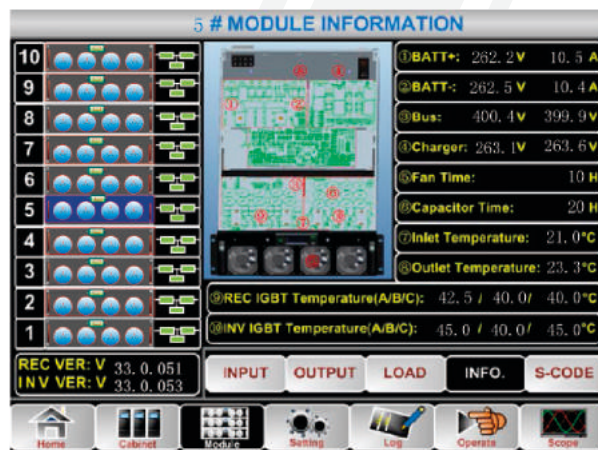
Programmable dry contacts are available in IST 6 series UPS. Customers can easily expand or modify the definition of each port.

- Abundant options with three inputs and four outputs, all programmable
- Easy setting, just pull the drop-down menu and set

Comprehensive monitoring management

In each power module, information on critical components is monitored and displayed in real time, giving customers a view of inner status of the system and providing reminder information for maintenance.

- Maintenance reminder, running time of capacitors and fans displayed and recorded
- Comprehensive temperature monitoring for thermal abnormal detection
- Intelligent battery charge for long battery life





The IST6 series modular UPS provides the most compact footprint of less than 2m² with maximum capacity of 900kVA. With best reliability and high performance, it has been leading the domestic market for years.

IST6 series is considered to be the best power protection solution for large data centers, as well as for sensitive electronics.



Bypass & Monitoring module

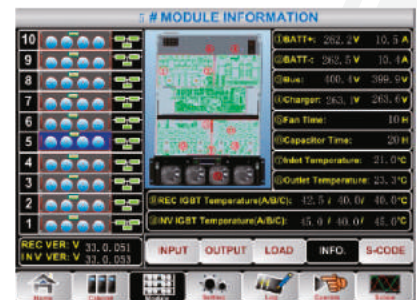
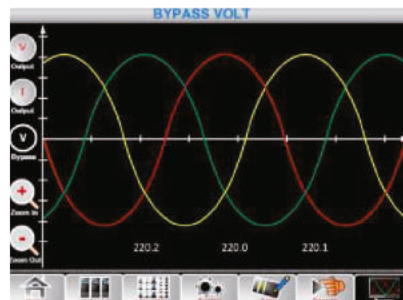
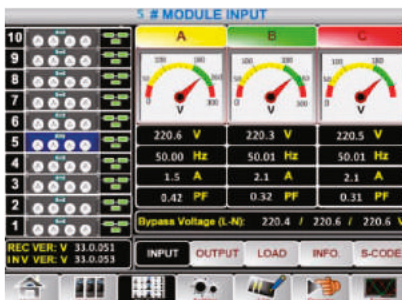


Power module

- Inherently N + X redundant
- Hot swappable power module and bypass & monitoring module
- Additional charging module, extra charging current 50A × N for long time back up application

Friendly interface

Provide graphical and text based information of alarms, status data, instructions that users can have more friendly and safer operation.

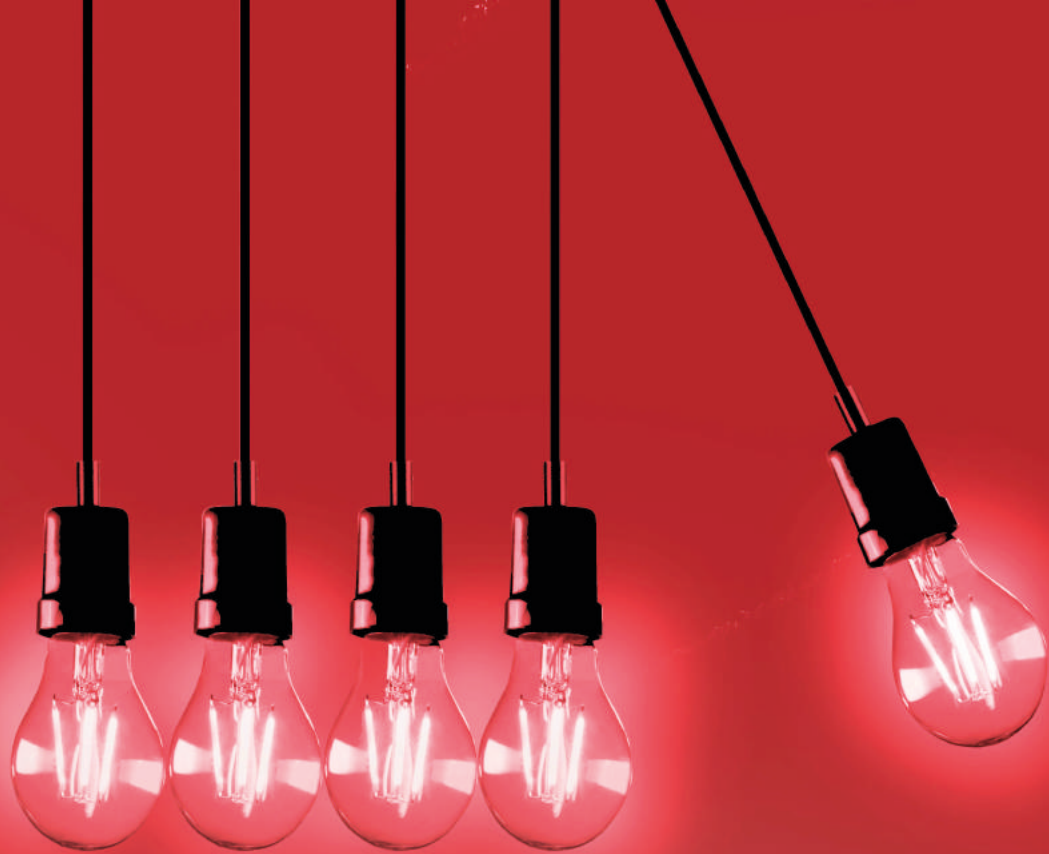




IST6

Model		IST6	
Capacity	20-200KVA (module from 20KVA) **		
Main Input			
Input voltage	380V/400V/415V		
Input frequency	50/60Hz		
Power factor	>0,99		
Input current THD	<3%		
Input voltage window	-20% - +20% full load		
Frequency window	40-70Hz		
Bypass			
Bypass voltage	380V/400V/415V		
Bypass voltage window	-20 - + 15% full load		
Bypass overload capability	125% < load < 130%, last for more than 1 hour		
	130% < load < 150%, last for more than 6 months		
	>1000% last for more than 100 ms		
Battery			
Battery voltage	±240Vdc		
Charger power	20% power		
Charger voltage precision	1%		
Output			
Output voltage	380V/400V/415V		
Voltage precision	1.5%		
Voltage THD	THD<1,5% (linear load), THD <5% (non linear load)		
Power factor	0,9		
Phase tolerance	120° ±0,5° (balance and unbalance load)		
Overload capability	105% long time operation		
	110% transfer to bypass after 1 hour		
	125% transfer to bypass after 10 min		
	150% transfer to bypass after 1 min		
	> 150% transfer to bypass after 200 ms		
Bypass overload capability	125% long time operation		
	125% <load< 130% last for more than 1 hour		
	130% <load< 150% last for more than 6 min		
	>1000% last for more than 100 ms		
System			
System efficiency	Normal mode 95%		
	ECO mode 99%		
Battery mode efficiency	95%		
Battery configuration	12V 40pcs		
Display	LCD+LED touch screen and keyboard		
IP class	IP20		
Interface (communication ports)	RS232, RS485, dry contacts, SNMP card, EPO		
Installation/Connection	top or bottom cable connection		
Operation temperature	0-40°C		
Storage temperature	-25°C - 70°C		
Relative humidity	0-95% (non condensing)		
Noise (dB)	<55dB		
Weight (Kg)	UPS with 3 MODULES	105	
	UPS with 6 MODULES	145	
	UPS with 10 MODULES	179	
	MODULES FROM 20KVA	22	
Dimension (W*D*H) (mm)	UPS with 3 MODULES	600*900*1100	
	UPS with 6 MODULES	600*900*1600	
	UPS with 10 MODULES	600*900*2000	
	MODULES FROM 20KVA	440*590*134	





**Soluzioni complete per la
gestione delle problematiche
elettriche di**

**CASA
UFFICIO
INDUSTRIA
AZIENDE
ENTI E BANCHE**

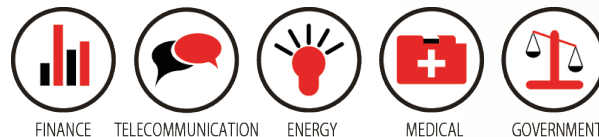


IST7

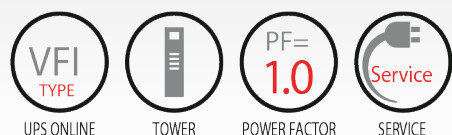
SERIES

10 - 30 kVA

ONLINE UPS



FINANCE TELECOMMUNICATION ENERGY MEDICAL GOVERNMENT



DETAILS

The AEC IST7 Series 3-Phase in, 3-Phase out UPS uses advanced 3 level inverter technology and digital technology for full interconnection and has advantages such high efficiency, high power density and occupies only a small amount of floor space. It provides safe, stable, clean, and environmentally friendly power to loads and can provide safe and reliable comprehensive protection to data centers, IT server rooms, precision instruments and others.

- Parallel up to 4 units
- Back up time up to 4 hours
- Hot swappable battery



- High efficiency, up to 96%
- 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

Guaranteed Protection

- IST7 Series with Innovative 3 Level Technology is a true on-line double conversion, three-phase UPS system that provides one of the highest level energy efficiencies in the industry.
- Three level inverter & rectifier design IST7 Series brings the newest power conversion technology and delivers efficiency up to 96% at 50-75% load operation which is the most common operating range.

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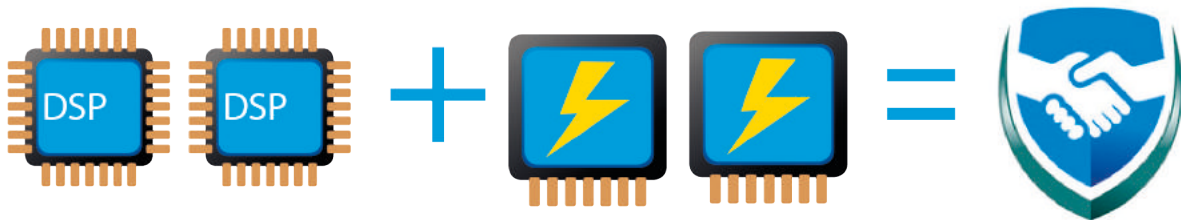
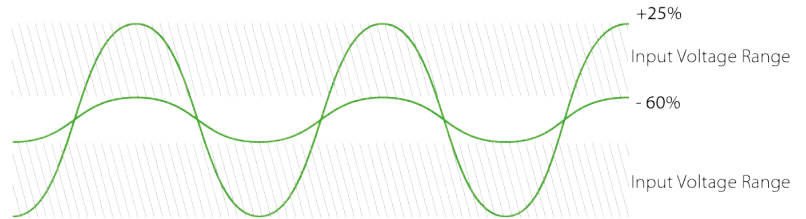
Taiwan
Allis Electric Co.Ltd
Taipei City 11501, Taiwan, R.O.C.
Tel: +866-2-26553456





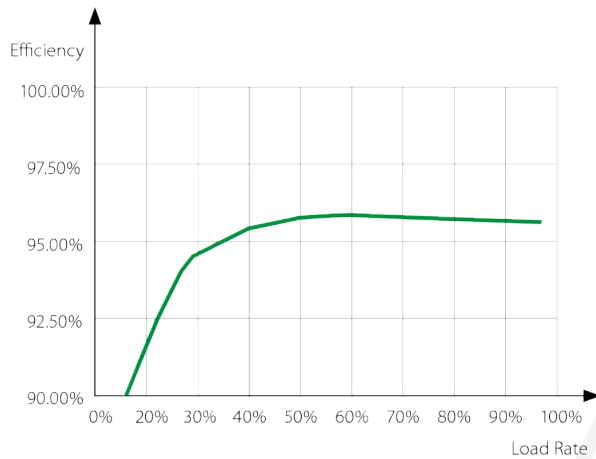
High Reliability

- Super wide input voltage range -60% ~ +25%
- Robust overload ability
- Dual system control card and dual bypass unit power prevent single failure point
- 3 level 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



Green Power


- High efficiency in online mode (>96%) reduces heat dissipation and limits power consumption costs
- Efficiency >99% in ECO mode gives significant cost reduction



Example:

- 120kVA/120kW Full load running one day (24h) compare with industrial efficiency 92%
- Day saving energy: $(120\text{kVA} \times 1.0 \times 96\% - 120\text{kVA} \times 0.8 \times 92\%) \times 24\text{h} = 645.12 \text{ kWh}$
- Day saving money: $645.12 \times 0.1\text{USD/kWh} = 64.512\text{USD}$ (hypothesis 0.1USD/kWh)
- Each year saving energy: $645.12 \times 365 = 235468.8 \text{ kWh}$
- Each year saving money: $0.1 \times 235468.8 = 23546.88 \text{ USD}$

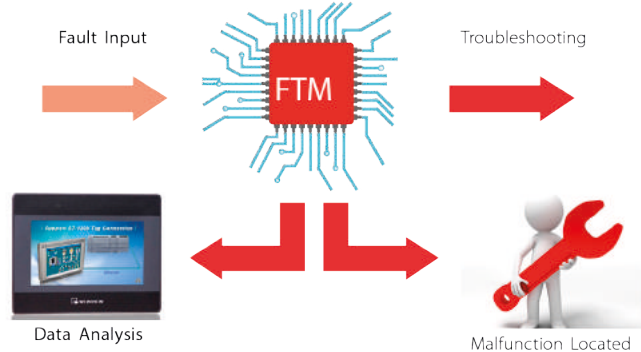


• Save  **23,546.88 per Year!**



Intelligent Management

- Fault Trace Management (FTM) for convenient failure analysis (80ms waveform record)
- Intelligent battery management system prolongs battery service life
- HMI enables more setting and status showing
- Auto dedusting function
- Key components pre-alarm function

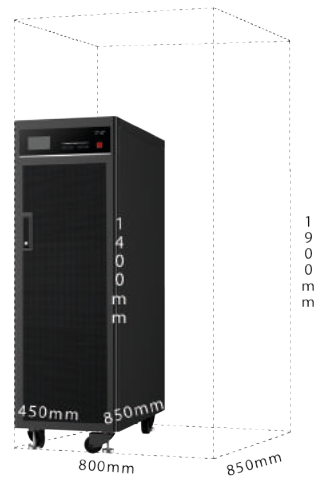


Flexible Design

- Common battery bank sharing in parallel system
- Flexible battery configuration improves service ability
- High power density design with compact size
- Frequency converter function (60Hz to 50Hz or 50Hz to 60Hz)
- Genset compatible
- Self-aging test function without load enables onsite commission
- Easy onsite parallel modification



Common battery bank sharing



Compare to normal size in the market



More Options

- Customized power distribution cabinet
- Flexible Network Management: SNMP
- Intelligent Battery Monitoring System
- Bypass voltage regulator
- Auto Switch: STS, ATS
- Energy feedback absorber
- N+X in parallel
- Input/Output isolation transformer





IST7

Model	IST7010 / IST7010L	IST7015 / IST7015L	IST7020 / IST7020L	IST7030 / IST7030L
MAIN INPUT				
Capacity	10KVA	15KVA	20KVA	30KVA
Input voltage	380/400/415V - 40/70Hz			
Input connection	3cp4W+PE			
Power factor	>0,99			
Input current THD	<3%			
Input voltage window	-20% - +15% full load			
Frequency window	40-70Hz			
BYPASS INPUT				
Bypass voltage	380/400/415V (line to line)			
Bypass voltage window	-20 - + 15% full load			
Frequency window	±5Hz			
Battery				
Battery voltage	±192VDC (±180/±204/±216/±228/±240 SETTABLE FOR LONG BACKUP TIME)			
Charger power	20% power			
Charger voltage precision	1,00%			
OUTPUT				
Output voltage	380/400/415V			
Voltage precision	±0,5% (balance load) 1% (unbalance load)			
Output voltage transient	5% (0-100% load step))			
Voltage THD	THD<1% (linear load) THD<5% (non linear load)			
Power factor	1			
Frequency tracking range	50/60Hz±3Hz, adjustable			
Frequency precision (free running)	±0,02%			
Phase tolerance	120° ±0,5°			
Voltage unbalance degree	Da 0,5Hz/s a 5Hz/s adjustable			
Frequency racking speed	3:1			
Overload capability	105% operation time - 115% after 1 hour - 130% after 10 min – 131-150% after 1 min - > 150% after 200 ms			
Bypass overload capability	125% operation time - Da 125% a 130% after 1 hour - Da 130% a 150% after 6 min - >1000% after 100 ms			
SYSTEM				
System efficiency	> 95%			
Battery mode efficiency	ECO mode 99%			
Battery configuration	32X7AH 12V internal	36X9AH 12V internal	36X9AH 12V internal	64/72X9AH 12V internal
Display	LED + touchscreen			
EMI	IEC62040-2			
EMS	IEC61000-4-2(ESD), IEC61000-4-3(RS), IEC6100-4-4 (EFT), IEC6100-4-5			
Insulation resistance	>2m (500Vcc)			
IP class	IP20			
Interface (communication ports)	RS232, RS485 modbus, dry contact standard / SNMP, EPO optional			
Operation temperature	0-40°C			
Relative humidity	0-95% (non condensing)			
Noise (dB)	<65dB			
Weight (Kg) internal batt model	240	250	250	350
Weight (Kg) external batt model	120	120	120	120
Dimension (W*D*H) (mm) internal batt model	320*840*1030	320*840*1030	320*840*1030	320*840*1400
Dimension (W*D*H) (mm) external batt model	320*840*867	320*840*867	320*840*867	320*840*867



IST8 Lithium

SERIES

2 - 3 kVA

ONLINE UPS



DATA CENTER

HOME/OFFICE

TRANSPORT

INDUSTRY

EMERGENCY



DETAILS

IST8 Series, online transformer-less UPS with internal Lithium-ion Battery. As the development of battery technology going on, Lithium-ion Battery, with its high-power density and longer service life, becomes more popular in nowadays applications.

- Three Level Online UPS
- High Efficiency Up To 96%
- High Output Power Factor 1.0
- The Innovative UPS with Internal Lithium-ion battery

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Green Power

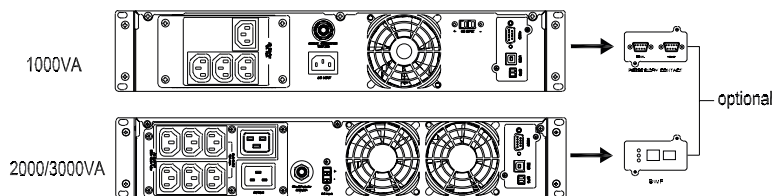
- AC/AC efficiency up to 96%, less operation cost and more energy saving
- Output power factor up to 1.0, more powerful to connect more critical loads
- Input PF >0.996 and THDi <5%, less power pollution and lower TCO

Typical Applications:



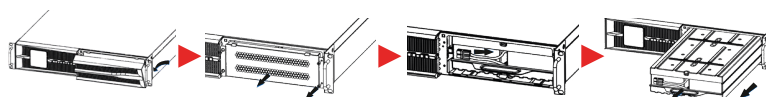
Intelligent Management

- Flexible rear panel configuration
- Dry contact kits and SNMP are optional
- Select able output sockets
- External battery pack port available
- Programmable power management outlet (optional)



Flexible Design

- The digital display can be easily shifted through LCD setting to suit for vertical/horizontal installation.



Hot-swappable Battery Design

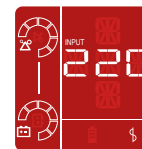
- External battery pack is optional
- Easy for online battery replacement

Built-in Lithium-ion Battery

- Super-long backup time
11 Minutes backup time by internal battery
- Wide temperature range
Tolerant for up to 60°C with no harm to the internal lithium-ion battery
- Long service life
Up to 10 years of service life
- More circles for charge and recharge
Up to than 1000 times of charge/recharge
- Environment friendly
Lithium-ion battery is more environment-friendly



Horizontal Display



Vertical Display

Rotable LCD display

- The LCD display easily rotate for horizontal and vertical application.



IST8

MODEL	1 KvA	2 KvA	3 KvA
Input			
Voltage (Vac)	120-295		
Frequency (Hz)	50/60± 10% (50/60Hz auto-sensing)		
Power Factor	≥0.99		
THDi	<5%		
Output			
Capacity(VA)	1000	2000	3000
AC/AC Efficiency Max.	91.1%	92.5%	93.5%
Power Factor	0.9 (1.0 optional)		
Voltage (Vac)	208/220/230/240±1%(settable)		
Frequency(Hz)	50/60±0.1 (battery mode)		
THDv	THD <3% (linear load), THD < 5% (nonlinear load)		
Transfer Time	0		
ECO Mode	Yes		
Overload	101%~115% for 1 min, 116%~133% for 1 s, above 134% for 200ms		
Battery			
Voltage(Vdc)	36	48	72
BATT Type	3×7Ah/12V	4×9Ah/12V	6×9Ah/12V
Charging Current (A) Max.	1		
Other			
Communication Interface	RS232+USB+EPO (DB9 dry contact and SNMP adapter are optional)		
Output Outlet*	4×IEC320 C13	6×IEC320 C13 + 1×IEC320 C19	
Display	Blue screen LCD		
Alarm	Low battery, Abnormal AC input, UPS failure, etc.		
Protection	Low battery, overload, short-circuit and over temperature, etc.		
Noise (dB)	< 50	< 55	
Working Temperature	0~ 40°C		
Relative Humidity	0 ~ 95%, No condensation		
Dimension (W×D×H) mm	438×420×87	438×570×87	
Weight (kg)	13.2	19.9	24.8





Power

Management

Technology





BATTERIES



Utilising the latest advance design Oxygen Recombination Technology, AEC have applied its 50 years experience in the lead acid battery field to produce the optimum design of Sealed Lead Acid batteries.

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The battery we are offering has been specially designed to feed UPS or emergency systems and carries the following technical characteristics:

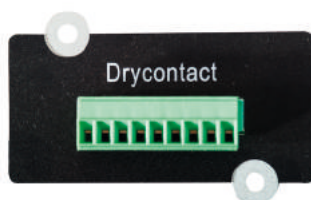
- Totally sealed and no hydrogen gas emissions in operation; no water topping during the battery life. In fact water addition is not allowed;
- No risk of electrolyte leakage because the electrolyte (diluted sulphuric acid) is absorbed in a glass-matt separator-AGM;
- Plates are robust as they are molded with special alloys having different components that guarantee to the grids high mechanical resistance.
- Container and lid are made of ABS (Acrylonitrile Butadiene Styrene),
- Conformity to international standards such as JIS, UL, VDE, IATA;
- High discharge intensity;
- DESIGN LIFE 10-12 or more than 12 years in according to Eurobat guide.
- Case: UL-94 HB or UL94-V0 Flame retardant



Each element is supplied with a **pressure relief valve** that allows the emission of gases in presence of abnormal overpressure, that can show up due to casual overcharge.



DRY CONTACT



The dry contact card allows to have a series of normally open or normally closed dry contacts (voltage free) to indicate the following operations of the UPS:

- Bypass mode
- Absence of the mains
- Inverter mode
- Problems to the batteries
- Presence of a generic alarm

It is also possible to perform a manual or automatic remote shutdown of the UPS.

Simple Network Management Protocol (SNMP) was created to address the problem of wide area network management. SNMP is a standard protocol that is part of the Transmission Control Protocol/Internet Protocol (TCP/IP) suite which allows all network devices to transmit management variables across enterprise wide networks.

SNMP is vendor and platform-independent and establishes guidelines for what information will be collected, how it will be structured and how the messages are formed from the network device to the manager and back. Network devices then gather information into a management information base (MIB).

A user's operating system software uses SNMP management software to collect and display the MIB data in an easily understood format.

SNMP Net Agent





AEC WORLDWIDE PRESENCE

Europe

Italy - France - Switzerland - Spain - Portugal - UK - Ireland - Holland - Belgium - Germany - Sweden - Austria - Hungary - Croatia - Romania - Bulgaria - Greece - Cyprus - Malta - Latvia - Poland - Republic of Macedonia - Slovenia - Albania - Czech Republic

Middle East

Egypt - Syria - Jordan - Lebanon - Iran - Iraq - Saudi Arabia - UAE - Oman - Qatar - Kuwait

America

USA - Canada - Mexico - Venezuela - Colombia - Chile - Brasil - Argentina

Africa

South Africa - Kenya - Nigeria - Ethiopia - Sudan - Mozambique - Botswana - Mauritius - Algeria - Ivory Coast - Rwanda - Camerun

Asia

China - Taiwan - Hong Kong - Korea - Japan - Thailand - Malaysia - Indonesia - India - Pakistan - Bangladesh - Philippines - Myanmar - Vietnam

Oceania

Australia - New Zealand

AEC REFERENCES

More than **150,000** UPS sold and installed worldwide

More than 50 years life AEC Company guarantees stability, quality and reputation

List of references available in each country

AEC, a Public Company listed from 1994 in Taiwan Stock Exchange (Stock code 1514:TT)

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YOUR RELIABLE
AND LOYAL
PARTNER



OTHER AEC PRODUCTS AVAILABLE UPON REQUEST ARE:

RECTIFIERS FOR TELECOMMUNICATIONS

PHOTOVOLTAIC INVERTERS AND PANELS

TRANSMISSION AND DISTRIBUTION APPARATUS

BATTERY CHARGES

SWITCHGEARS

DRY TYPE TRANSFORMERS

SCADA AND CHARGERS FOR RAILWAYS AND SUBWAYS

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