AEC

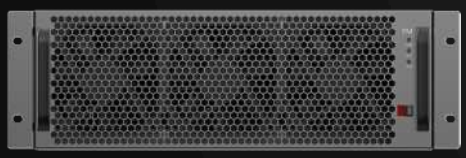
MODULAR ONLINE UPS · DOUBLE CONVERSION

IST6

400–1200 kVA

100 kVA power modules in 3U, from 400 kVA to 1.2 MW per cabinet. Up to 98.1% efficiency with PLUS modules, 99.2% in ECO and up to eight UPS in parallel for large data centres.





100 kVA POWER MODULE · 3U · HOT-SWAP

100→1200
kVA in 100 kVA steps

N+1
one extra power module for redundancy

98.1%
efficiency with PLUS power modules

Hot-swap
Modular technology: power modules replaced online

WHY IST6

Key features
IST6 400–1200 kVA

Efficiency, power density and advanced functions for data centres and critical loads from 400 kVA to 1.2 MW per cabinet.

400→1200

Sized to the site

Six cabinets with 4 to 12 power modules of 100 kVA: single column up to 800 kVA, double column for 1000 and 1200 kVA.

98.1%

High efficiency

Up to 97.2% with General modules and 98.1% with PLUS modules in double conversion; 99.2% in ECO.

kVA = kW

Unity power factor

Output power factor 1: every 100 kVA module delivers 100 kW, settable from 0.8 to 1.0.

Hot-swap

Continuity first

All modules hot-swappable, two system control cards backing each other up, dual DSP control.

40 °C

Built for the plant room

Full power from 0 to 40 °C, with cooling in reserve.

Storage

Smart energy

Energy storage mode for peak cutting and valley filling, ECO, W-ECO, redundancy sleep and generator mode.

OPERATING COST

What PLUS modules save at 800 kW

From 97.2% to 98.1%: less than one point of efficiency, but at megawatt scale it is heat that is not paid for at the meter and in the cooling.

7.55 kW
less losses (≈ 23.0 → 15.5 kW)

66,100
kWh saved per year

≈ € 13,200
per year at € 0.20/kWh

IST6 1000 kVA at 80% load (800 kW), 8,760 h/year, cooling excluded. Losses = P × (1/η − 1) with the maximum system efficiencies 97.2% (General) and 98.1% (PLUS). Indicative values.

DESIGNED FOR

Data centres · Telecom · Banking & finance · Networks & IT rooms · Transport · Public buildings

THE RANGE

Models and range
IST6 400–1200 kVA

Single-column cabinets from 400 to 800 kVA, double-column cabinets for 1000 and 1200 kVA; the same power module, display and functions.



400 · 500 · 600 · 800 kVA
single column · 801 mm



1000 · 1200 kVA
double column · 1201 mm



800 kVA + distribution
1400 mm



1000 · 1200 kVA + distribution
1800 mm

Cabinet	400 kVA	500 kVA	600 kVA	800 kVA	1000 kVA	1200 kVA
Power modules (100 kVA)	4	5	6	8	10	12
Columns · doors	1 · 1	1 · 1	1 · 1	1 · 1	2 · 2	2 · 2
Internal power switches	yes*	yes*	yes*	option[1]	option[1]	option[1]
W × D (mm) · H 2000	801 × 1000	801 × 1000	801 × 1000	801 × 1000	1201 × 1000	1201 × 1000
Weight without modules	345 kg	434 kg	434 kg	435 kg	662 kg	662 kg
Mains input current	661 A	826 A	991 A	1322 A	1652 A	1982 A
Cooling air flow (min.)	3744 m³/h	5415 m³/h	6246 m³/h	7140 m³/h	7902 m³/h	8785 m³/h

* Mains, output, maintenance bypass and bypass switches inside; version without switches available. [1] With the distribution cabinet fitted on the left side: 800 kVA mains, bypass, maintenance bypass and output; 1000 / 1200 kVA mains, bypass and output. Front views to scale, height 2000 mm.

CODE
IST6-800
Cabinet for up to 8 × 100 kVA power modules, without modules.

CODE
IST6-1000
Cabinet for up to 10 × 100 kVA power modules, without modules.

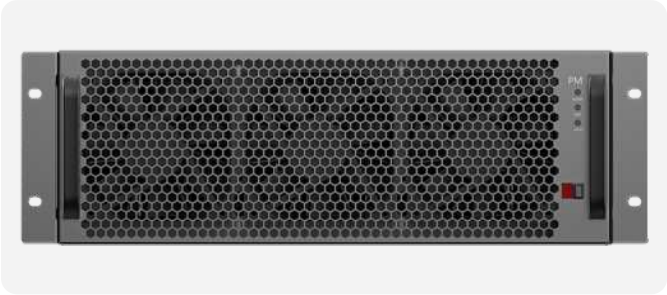
CODE
IST6-1200
Cabinet for up to 12 × 100 kVA power modules, without modules.

CODE
IST6-100-J
100 kVA / 100 kW power module. 400, 500 and 600 kVA cabinets: code on request.

POWER MODULE

Power module
IST6 400–1200 kVA

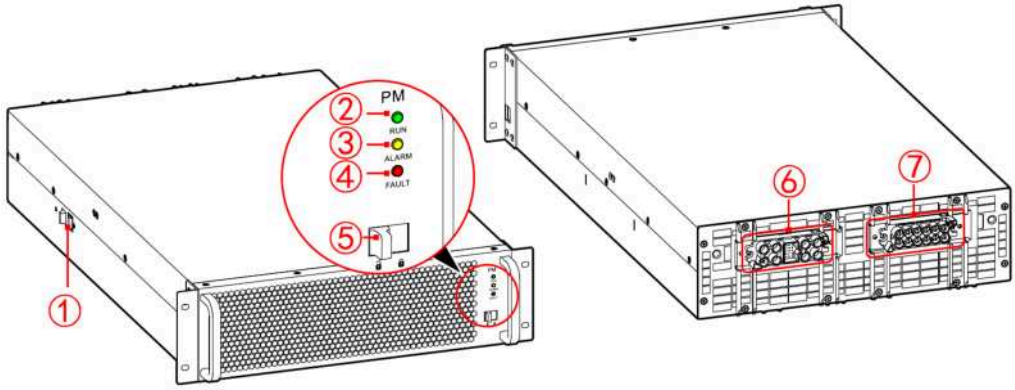
The same 100 kVA module from 400 kVA to 1.2 MW: rectifier, inverter and DC/DC converter in a 3U drawer, with output power factor 1 (kVA = kW).



100 kVA power module, 3U.

Rating	**100 kVA / 100 kW**
W × D × H	**440 × 760 × 130 mm · 3U**
Weight	**54 kg**
Handling	**three installers or a lift truck**
Bypass module	**3U (400 kVA) · 4.5U (500–1200 kVA)**

Front and rear · user manual Fig. 2-13



1. **Limit lock** · press to pull the module out
2. **RUN** · green
3. **ALARM** · yellow
4. **FAULT** · red
5. **Ready switch** · green unlocked · red locked
6. **Output port** · rear
7. **Input port** · AC mains and DC battery

Cooling with reserve

Intelligent fan control with redundant design: the UPS keeps supplying 40% load with one fan failed, 15% with two.

all fans running	100%
1 fan failed	40%
2 fans failed	15%

CONTROL
Dual DSP
No single point of failure.

PROTECTION
Fuses
On frame and modules.

DURABILITY
Conformal coating
On all PCB boards.

AIR
Dust filter
Standard, self-dedusting.

3U
per 100 kVA module

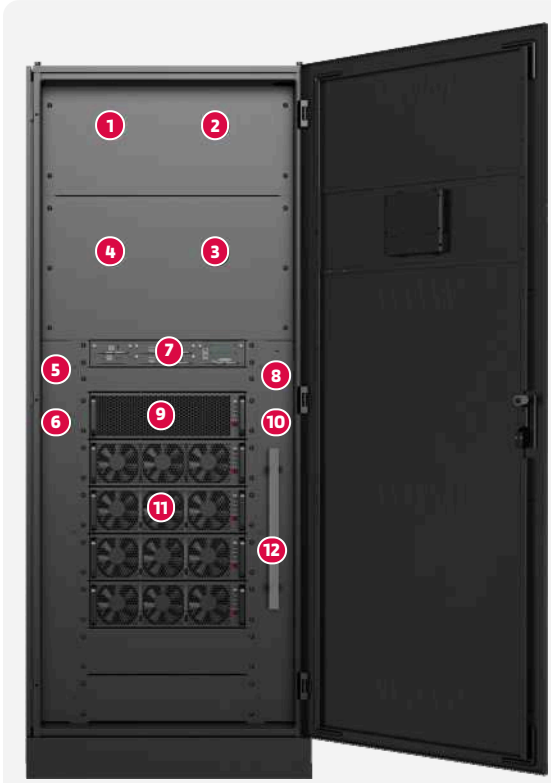
54 kg
module weight

≈ 1 MW/m²
800 kW on 0.8 m², 1.2 MW on 1.2 m²

INSIDE THE CABINET

Cabinet layout
IST6 400–1200 kVA

400–600 kVA single column with internal power switches, and 1000–1200 kVA double column (without switches: these are in the optional distribution cabinet).



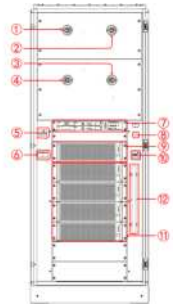
400 kVA · 4 MODULES · WITH SWITCHES



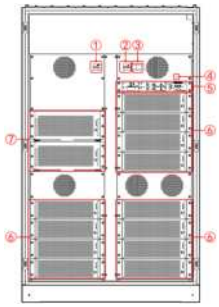
1200 kVA · 12 MODULES

1. **Mains switch**
2. **Output switch**
3. **Maintenance bypass switch**
4. **Bypass switch**
5. **SPD switch** · optional
6. **SPD** · optional
7. **System control box** · five hot-swappable cards
8. **Battery cold start**
9. **Bypass module** · 3U, under the control box
10. **Fan control switch** · optional
11. **Power modules** · 100 kVA each
12. **Switch operating lever**

1. **Fan control switch**
2. **SPD switch** · optional
3. **SPD** · optional
4. **Battery cold start**
5. **System control box** · five hot-swappable cards
6. **Power modules** · three groups of four slots
7. **Bypass module** · 4.5U



400 kVA · Fig. 2-11



1000 / 1200 kVA · Fig. 2-12

Numbers as in the user manual layouts (right). SPD, SPD switch and fan control switch are optional. 500 / 600 kVA: 4.5U bypass module and 6 module slots; 800 kVA: single column with 8 modules and no internal power switches. Layouts after the user manual (Fig. 2-11, 2-12).

DISTRIBUTION CABINET

Distribution cabinet
IST6 400–1200 kVA

For 800, 1000 and 1200 kVA the power switches come in an optional distribution cabinet, fitted at the factory on the left side of the UPS: one line-up, switches pre-assembled.



800 kVA + DISTRIBUTION · 1400 MM

1200 kVA + DISTRIBUTION · 1800 MM

1. **Mains switch**
2. **Bypass switch**
3. **Maintenance bypass switch**
4. **Output switch**
5. **SPD switch** · optional
6. **SPD** · optional
7. **System control box**
8. **Battery cold start**
9. **Bypass module**
10. **Fan control switch**
11. **Power modules** · 8 × 100 kVA

1. **Bypass switch**
2. **Mains switch**
3. **Output switch**
4. **Fan module**

1000 / 1200 kVA: mains, bypass and output breakers (no maintenance bypass).

? DID YOU KNOW?

Location matters: the IST6 400–1200 kVA is not intended for open installations within 3.7 km of the sea.

Options for the site

CABLES

Side wiring cabinet

Bottom cable entry: standard entry is from the top.

AIR

Top air outlet kit

Hot air out from the top instead of the rear.

SOURCE

Single power source kit

Mains and bypass from one source.

BATTERY

Grounding detection kit

Battery grounding detection, 400–600 kVA.

HOT-SWAP

Hot-swap service IST6 400–1200 kVA

All modules are hot-swappable: power modules, bypass module and the five cards of the system control box.



800 kVA · modules on their rails



1200 kVA · modules on their rails

STEP 1

Unlock

Ready switch to unlocked: indication green, the module can be removed.

STEP 2

Pull out

Remove the fixing screws, pull the module out by its handles and lift it onto a lift truck; the other modules keep supplying the load.

STEP 3

Insert and lock

Slide the new module in, fasten the screws and set the ready switch to locked: indication red, the module joins the system.

LED

RUN · ALARM · FAULT

Green, yellow and red LEDs on every power and bypass module show its state at a glance.

SELF-PROTECTION

Faulty module isolated

A faulty module isolates itself from the system automatically; redundancy is reduced until it is replaced.

LIMIT LOCK

Held on its rails

Each power module has a limit lock on the front: press it to pull the module out of the cabinet.

54 kg
power module, lift truck or three installers

2
system control cards backing each other up

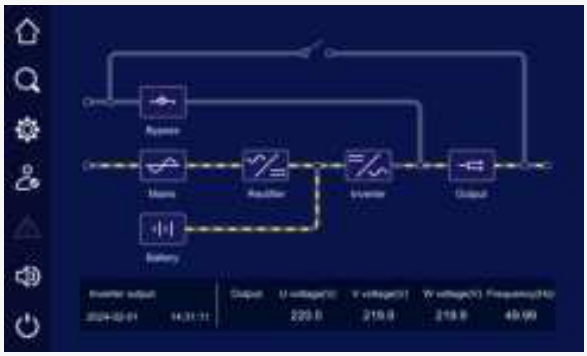
5
hot-swappable control box cards

≧ 15 min
wait before opening a removed module

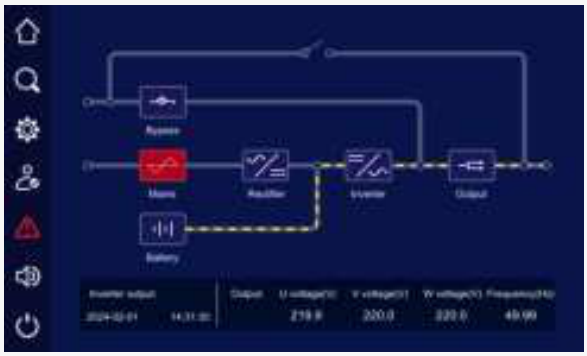
ARCHITECTURE

Operating principle
IST6 400–1200 kVA

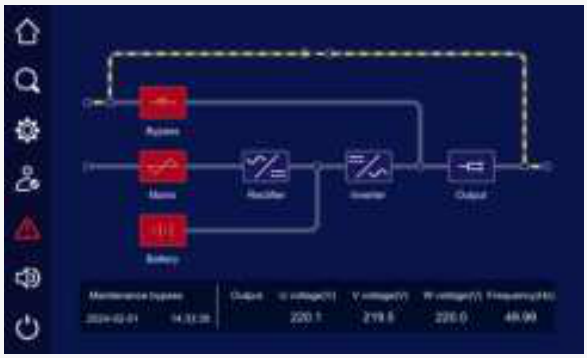
Each operating mode as shown on the touch screen: N power modules in parallel and one bypass module.



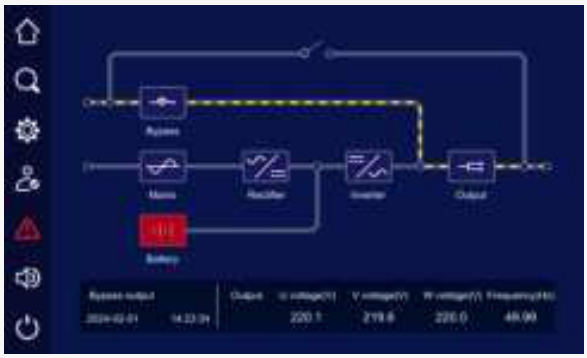
Mains mode
Each module rectifies the mains and the inverter supplies the load; the battery is charged.



Battery mode
Mains abnormal: the DC/DC converter feeds the battery to the inverters, 0 ms.



Maintenance bypass
Manual switch: the load stays supplied while the UPS is serviced.



Bypass mode
Overload or fault: the bypass module supplies the load.

×2

Two control cards
Primary and secondary system control cards, hot-swappable, backing each other up.

CAN

Synchronised modules
CAN communication inside and between cabinets for synchronisation and current sharing.

≤ 5%

Current sharing
Load shared equally between power modules within 5%.

0 ms

No break
Mains ↔ battery transfer time 0 ms; bypass ↔ inverter < 1 ms synchronised.

≥ 0.99
input power factor

≤ 3%
input THDi at full load

≤ 2°
output phase error, unbalanced load

≤ 3%
output THDv, non-linear load

100%
unbalanced load

SCALE AND SLEEP

Load-based module management
IST6 400–1200 kVA

Add 100 kVA modules or whole UPS as the site grows; set redundancy and redundancy sleep from the screen.

100 kVA
Step size
One 3U module at a time, in free slots up to the cabinet rating.

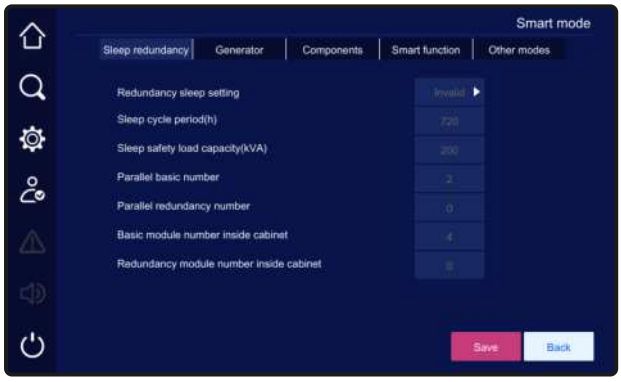
4 → 12
Modules per cabinet
400, 500, 600, 800, 1000 or 1200 kVA cabinets.

× 8
UPS in parallel
Further UPS join with the parallel kit, with N+X redundancy between UPS.

N+X
Two redundancy levels
Basic and redundant modules per cabinet and per parallel system.

Redundancy sleep

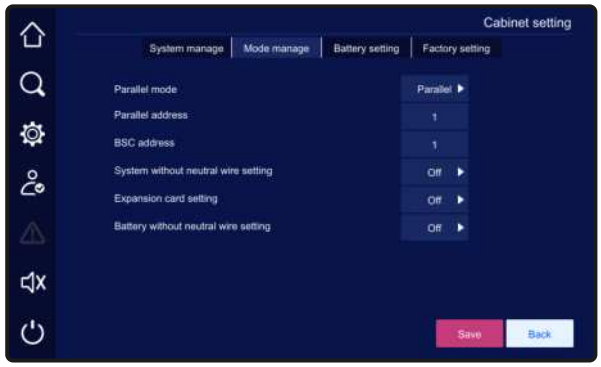
Intelligent sleep mode: at light load the spare modules sleep, while the basic modules carry the load within the sleep safety load capacity set on screen.



Smart mode › Sleep redundancy: on / off, sleep cycle period (h), sleep safety load capacity (kVA), parallel basic and redundant UPS, basic and redundant modules inside the cabinet.

Parallel set on screen

Parallel mode, parallel address and BSC address are set in Cabinet setting › Mode manage; parameter match between UPS is checked in Running info.





ALARMS
Redundancy watched
Power module without redundancy, redundancy insufficient, cabinet without redundancy, system card without redundancy.

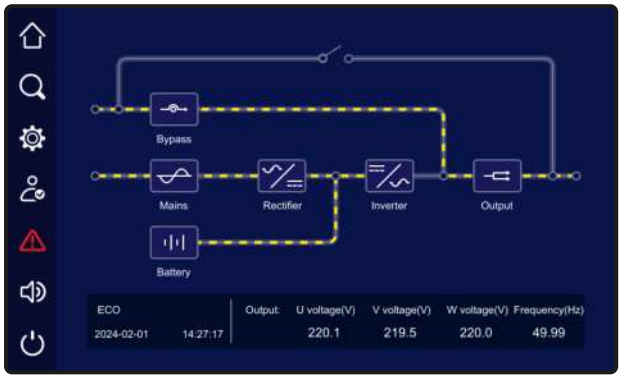
ECO
Parallel ECO
ECO mode is also available on a parallel system, not only on a single UPS.

SLEEP
Picked at random
The modules that sleep are chosen at random among the spare modules.

Energy-saving functions
IST6 400–1200 kVA

ECO mode · up to 99.2%

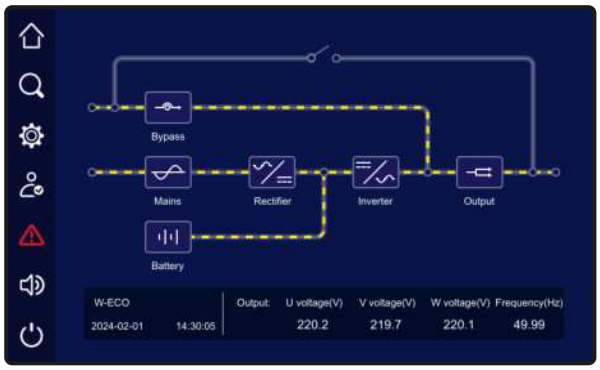
The load runs on the static bypass while the bypass is within the ECO window; the inverter is in standby and the rectifier keeps the battery charged.



ECO window: voltage ±5 / ±10 / ±15% (default ±15%), frequency ±2 / ±4% (default ±2%).

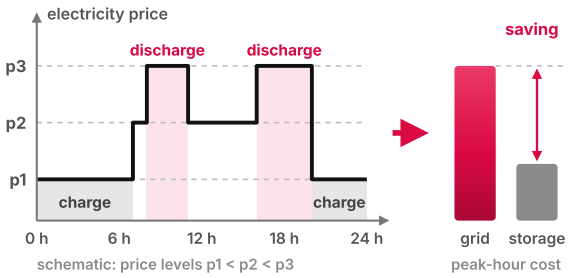
W-ECO mode · up to 99%

High-efficiency mode with input THDi below 5%; its state is shown live on the home page.



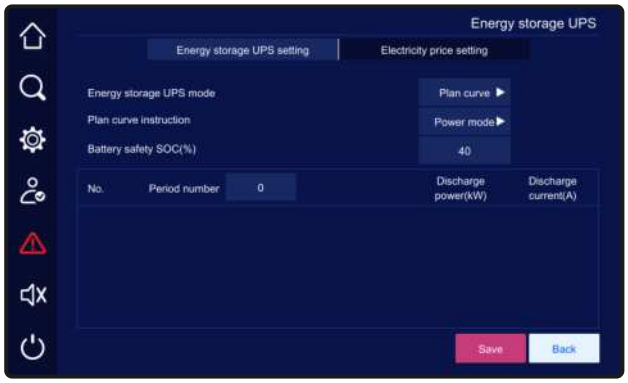
Energy storage mode

Peak cutting and valley filling: the battery supplies part of the load at peak hours and recharges in the valley, following a plan curve set by discharge power or current for each period.



schematic: price levels p1 < p2 < p3

peak-hour cost



Energy storage UPS page on the touch screen.

SLEEP

Redundancy sleep

Spare modules sleep at light load: see Scale and sleep.

GENERATOR

Smart generator mode

Starts and stops the generator by dry contact and can take part of the power from the battery.

TEST

Self-load test

Load test at commissioning without costly temporary loads.

OUTPUT

Frequency converter

Converts 60 Hz to 50 Hz, or 50 Hz to 60 Hz.

40%

battery safety SOC, example setting in energy storage mode

Per period

discharge power or current set for each period of the plan curve

€ / kWh

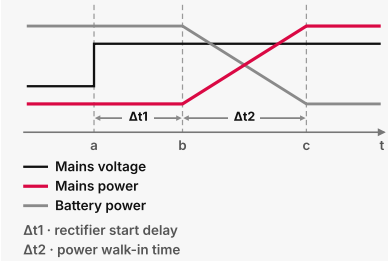
electricity price set for each period

PROTECTION AND SMART GUIDANCE

Protection and diagnostics
IST6 400–1200 kVA

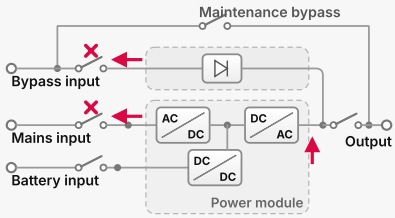
Advanced protection of the 100 kVA platform, plus the guidance tools that shorten installation and maintenance.

Protect · for the grid, the loads and the people



20–400

ms, settable



01 · POWER WALK-IN

GENERATOR-FRIENDLY

Decreases the inrush to the mains or the generator; with several UPS the rectifiers restart in sequence when the mains returns.

02 · SHORT-CIRCUIT PROTECTION

SELECTIVE TRIPPING

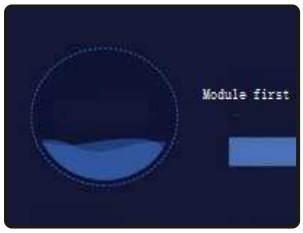
High short-circuit capacity for a settable time, so the breaker of the faulty load trips while the other loads keep running.

03 · BACKFEED PROTECTION

SAFE FOR THE GRID

Enabled on site; dry-contact outputs for single UPS and parallel system bypass backfeeding open the backfeed device upstream.

Guide · smart service tools on the display



FASTER COMMISSIONING

Start-up guidance and diagnosis

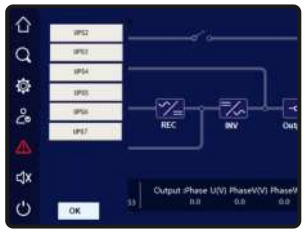
First power-on guidance with module self-test: potential risks are cleared before the system is powered on.



SHORTER REPAIR TIME

Maintenance assistant

Locates the problem easily and quickly, reducing the time for maintenance.



ONE SCREEN, WHOLE SYSTEM

Smart integrated display

One display checks the status of each UPS of the parallel system.



PREDICTIVE MAINTENANCE

Key components pre-alarm and asset records

Pre-alarm on key components such as capacitors and fans; full asset record of spare part replacements, dates and service people.

Stop · shut down safely

EPO

Emergency power off

EPO1 (NO) and EPO2 (NC) inputs on the monitoring card, as standard.

PARALLEL

EPO linkage

One EPO stops the whole parallel system, or only its UPS (set by AEC service).

BATTERY

Under-voltage protection

Battery under-voltage alarm first, then protection; both also as dry-contact outputs.

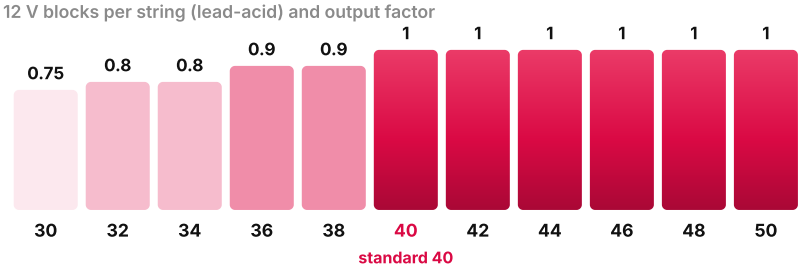
BATTERIES

Battery options
IST6 400–1200 kVA

String length set on site

480 V DC nominal with 40 blocks of 12 V (360–600 V); 30 to 50 blocks (46–50 on request), with the output factor below for short strings. Battery neutral optional (±240 V).

12 V blocks per string (lead-acid) and output factor

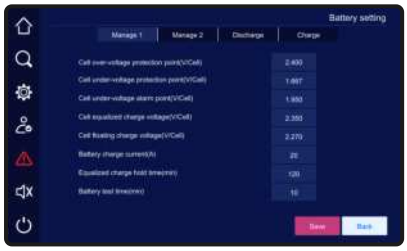


20 A

charging current per power module (specification), three-stage charging

512 V

lithium nominal, 120–200 cells (standard 160, full power from 160), with the BMS card



Battery setting

Cell voltages for protection, alarm, equalising and floating charge, charging current, test time.



Charge management

Charge limit coefficient in C, temperature compensation, timed and forced equalising charge.



Battery test

Standard or deep test with mains normal, battery floating and load ≥ 15%.

SHARED

Common battery

Shared battery pack mode equipped.

COLD START

Start from battery

Battery cold start button: hold more than 3 s to start the UPS from the battery.

LITHIUM

BMS card

Optional BMS expansion card with charge- and discharge-disable inputs.

MANAGEMENT

Find the faulty battery

Intelligent battery management helps replace only the faulty battery.

30–50
12 V blocks per string

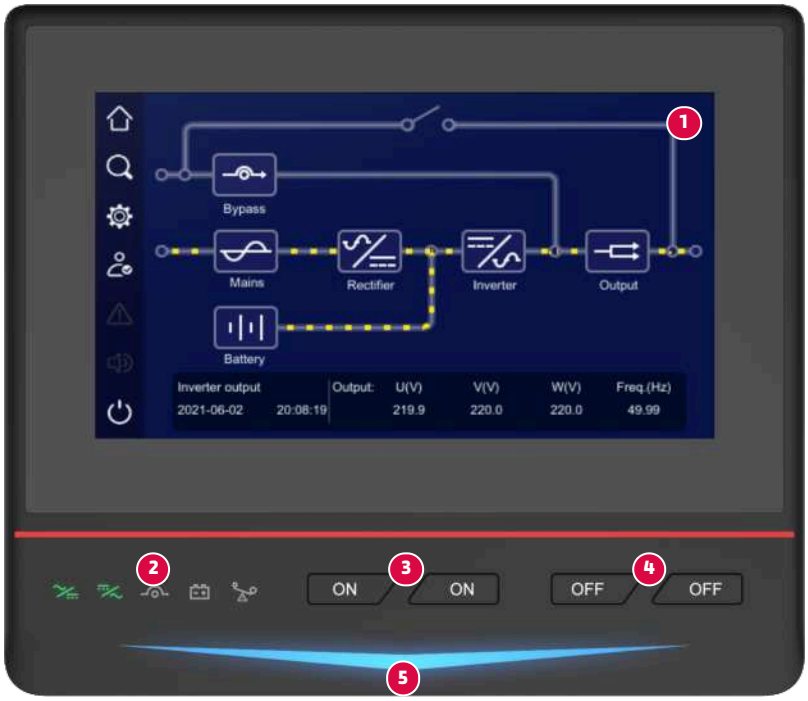
480 V
lead-acid nominal

0.05–0.5 C
charge limit, lead-acid

20–30 °C
best battery temperature

OPERATOR PANEL

Operator panel
IST6 400–1200 kVA



1. **Colour touch screen**
   Seven inches: live power flow, measurements, settings and records.
2. **Five status LEDs**
   AC/DC, DC/AC, bypass, battery, load: green when normal or active, red when abnormal.
3. **ON keys**
   Press both keys for 3 s to power on: no accidental switching.
4. **OFF keys**
   Press both keys for 3 s to power off.
5. **Status light bar**
   Shows the UPS state in colour, also from across the room.

Status light bar

Four states, one colour each: the operator knows how the UPS is doing before reaching the screen. Alarms also light the yellow or red ambient lamp.



Blue
Normal operation



Blue, flashing
Battery mode



Yellow
Abnormal, UPS still running



Red
Abnormal, UPS stopped

Status LEDs

LED	Green	Red
AC/DC	Rectifier normal	Rectifier abnormal
DC/AC	Inverter normal	Inverter abnormal
Bypass	Bypass output	Bypass abnormal
Battery	Battery output	Battery low voltage
Load	Output normal	Output overload

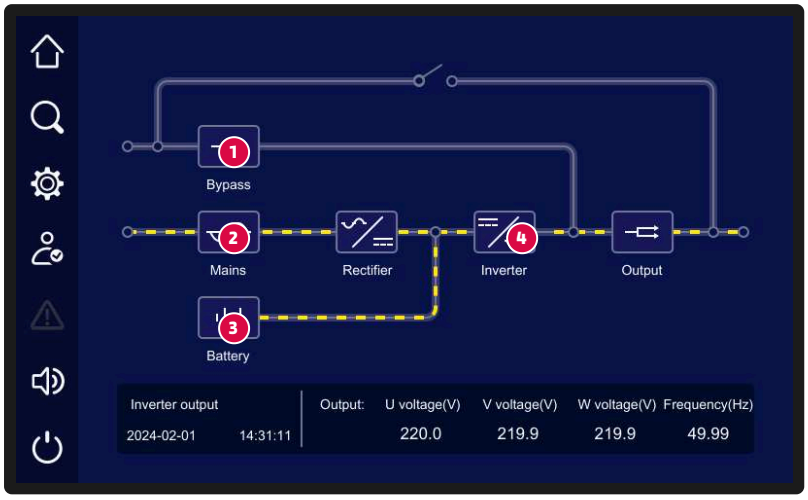
Screen settings



- Backlight time, brightness
- 10 languages, including Italian
- Atmosphere light on / off
- Time zone and NTP time sync

TOUCH SCREEN

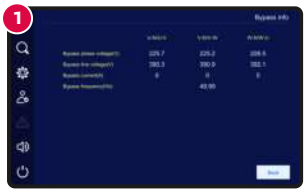
Touch screen display
IST6 400–1200 kVA



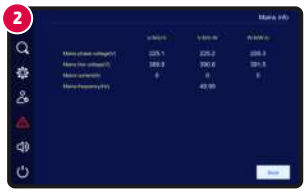
Live single-line diagram

The home page draws the UPS as it runs: yellow dots trace the active power path, abnormal blocks turn red, and the bottom line shows output voltage and frequency.

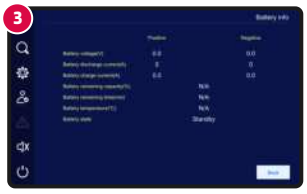
Touch a block (bypass, mains, battery, rectifier, inverter, output) to open its page.



Bypass info
Phase and line voltage, current and frequency of the bypass input.



Mains info
Phase and line voltage, current and frequency of the mains.



Battery info
Voltage, charge and discharge current, remaining capacity and time, temperature, state.



Inverter info
Output voltage, current, power and load of each module.

Menus



Information menu
Running info, history, user log, smart record, device info, wave capture, running record, battery discharge record.



Settings menu
Cabinet, battery, battery test, output, smart mode, dry contact, screen, password, communication, records, energy storage.



Running info
UPS info, parameter match between UPS, UPS status, system cards 1 and 2.



Device info
Hardware and software versions of screen, system cards and modules.

3
password levels: user, technician and service engineer

10
languages on the screen

7″
colour touch screen with live single-line diagram

Online
firmware update of screen, units and cards in one step

RECORDS

Event records
IST6 400–1200 kVA



10,000

records in the history, newest first. When the record is full, the earliest entry is overwritten.

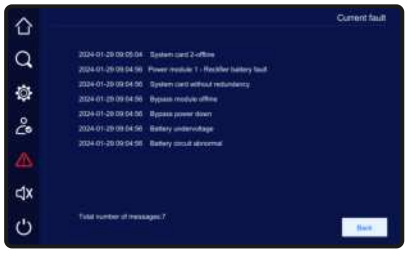
200 ms

of waveform recorded before and after the fault point (fault trace management).



User log

User operations listed with date and time.



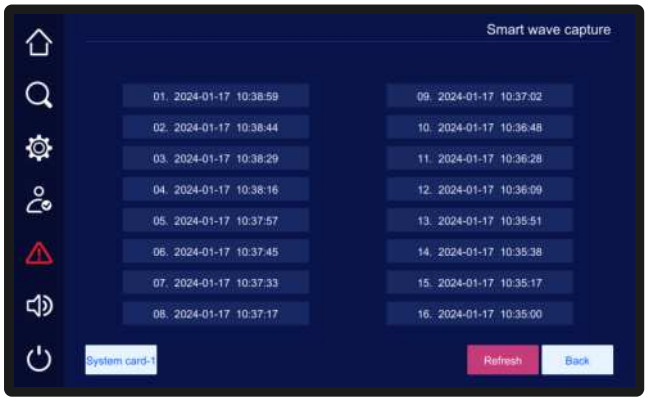
Current fault

Active faults, time-stamped, from the alarm icon of the menu bar.



Smart record

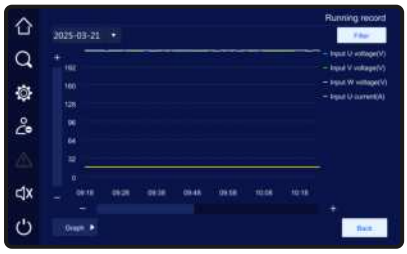
Maintenance actions such as part replacements.



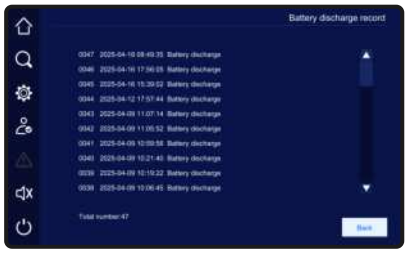
Smart wave capture

Captured fault waveforms are listed with date and time, next to the other records below.

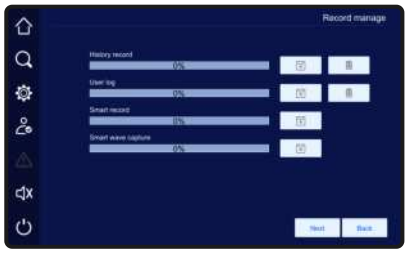
- Running record: input voltages and current over time
- Battery discharge record: every discharge with date and time
- Record manage: save or clear history, user log, smart record and wave capture



Running record



Battery discharge record

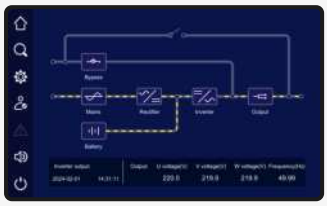


Record manage

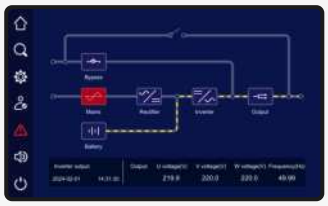
OPERATION

Operating modes
IST6 400–1200 kVA

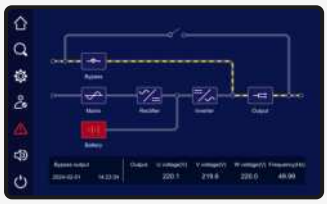
Real screens of the IST6 400–1200 kVA: the yellow dotted line traces the active power path.



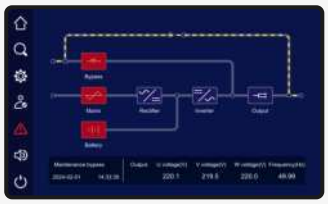
Inverter output
Normal operation.



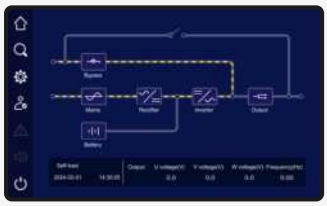
Battery
Mains abnormal.



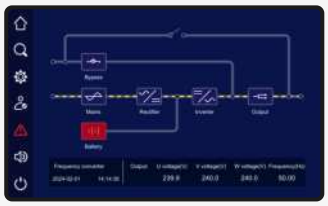
Bypass
Overload or fault.



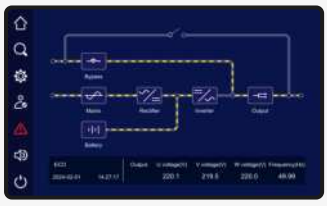
Maintenance bypass
Service with the load on the maintenance bypass.



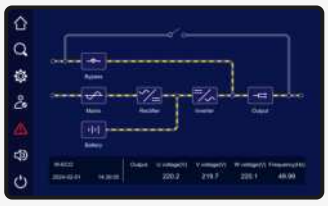
Grid-tied self-load
See Smart energy.



Frequency converter
See Smart energy.



ECO
See Smart energy.



W-ECO
See Smart energy.

Transfers

0 ms	< 1 ms	< 15 ms
mains ↔ battery	inverter ↔ bypass, synchronised	inverter ↔ bypass, not synchronised

RESTART

After a long outage

After battery under-voltage protection, the UPS restarts and recharges the battery when the mains returns.

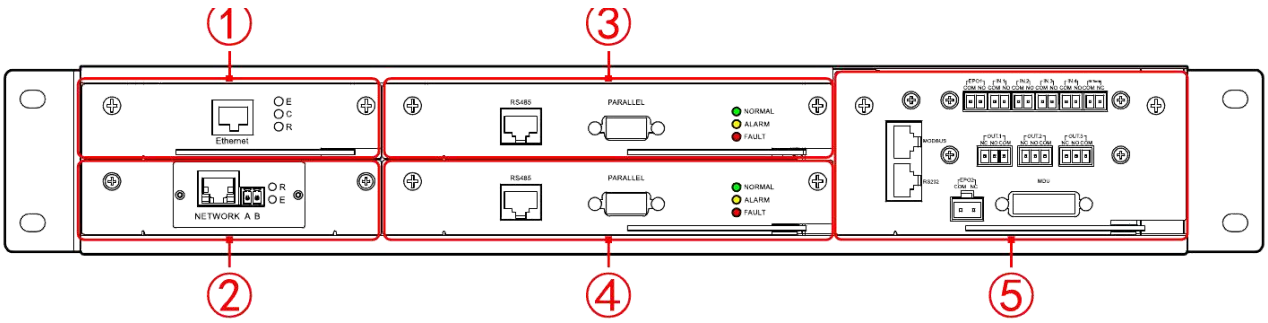
LOAD STEP

Steady through load changes

On a 0 ↔ 100% load step the output voltage stays within 5% and recovers within 20 ms.

Communication and connectivity
IST6 400–1200 kVA

System control box, from the user manual: all five cards are hot-swappable.



1 **Expansion card** · optional: dry contact or BMS

2 **SNMP card** · optional

3 **System control card 1**

4 **System control card 2**

5 **Monitoring card** · Modbus, RS232, EPO, dry contacts

4 inputs (NO) · 10 functions

- Battery abnormal
- Battery grounding abnormal
- Battery switch off
- Bypass switch off
- Generator mode
- SPD abnormal
- Maintenance bypass open
- Mains switch off
- Environment smoke abnormal
- Strip light switch off

3 outputs (NO / NC, 30 V DC / 2 A) · 18 functions

- Inverter mode
- Bypass mode
- Battery trip
- Battery mode
- Battery under-voltage alarm
- Battery under-voltage protection
- Output overload
- UPS abnormal
- Bypass abnormal
- Mains abnormal
- Start generator
- ECO mode
- Inverter abnormal
- Single UPS bypass backfeeding
- Parallel system bypass backfeeding
- UPS ON
- Fan abnormal
- UPS alarm

Standard: Modbus (address 1–247, 2400–19200 baud) · RS232 for an external SNMP card · RS485 linking the displays of a parallel system · EPO1 NO and EPO2 NC · B-Temp input for the battery temperature kit.

Options



SNMP card
Ethernet, SNMP or Modbus; RS485 port for a T/H sensor



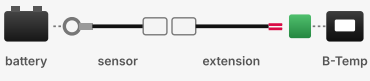
Dry contact expansion card
+3 inputs, +2 outputs (30 V DC / 2 A)



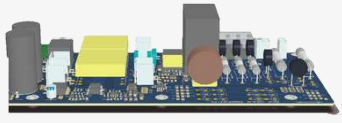
BMS expansion card
BMS port, charge / discharge disable inputs



Class C SPD
with SPD switch, factory fitting recommended



Battery temperature kit
charge voltage compensated by temperature



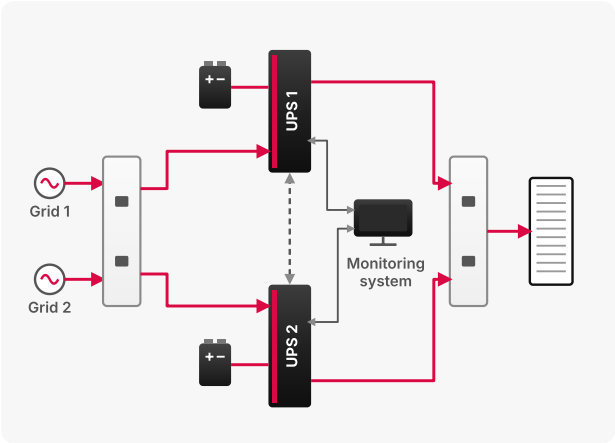
Battery trip kit
trip signal for the external battery breaker

Parallel and multi-bus systems
IST6 400–1200 kVA

System layouts after the user manual, redrawn: the key on the right explains the symbols.

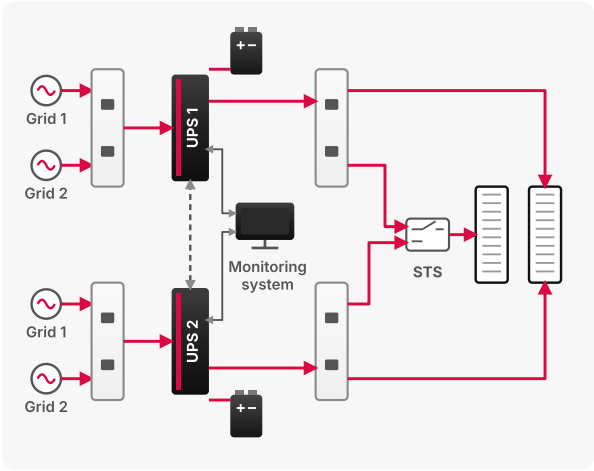
Parallel system · up to 8 UPS

Mains, bypass and AC outputs of each cabinet connected in parallel; the control modules keep all UPS synchronised and share the load (imbalance ≤ 5%).



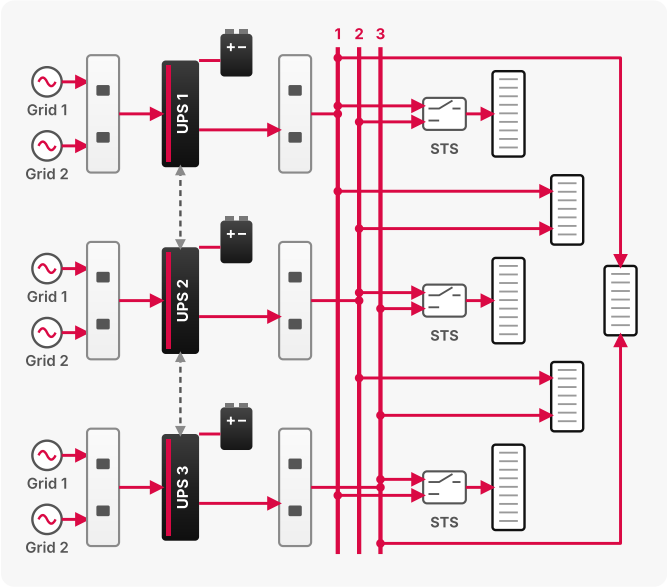
BSC dual-bus system

Two independent UPS systems synchronised by the bus sync controller; an STS supplies single-input loads.



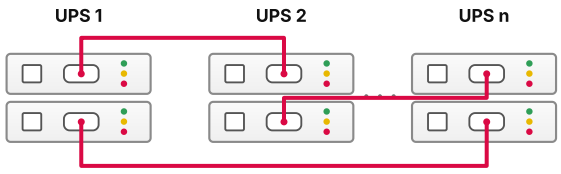
Multi-bus · three buses

Three UPS systems feed three output buses; STS and dual-input loads take power from two buses.



Parallel ring

PARALLEL ports of the system control cards in a ring: N UPS need N cables. A 7 m cable is supplied with each UPS.



PARALLEL ports of system control cards 1 and 2

- Output of each UPS within ± 2 V and ± 0.1 Hz of the system setting.
- Parallel mode, parallel address and BSC address set on the screen.
- Shared battery pack and parallel ECO available.

KEY

- Grid (mains)
- UPS
- Monitoring system
- Load (1 or 2 inputs)
- Communication line
- Distribution cabinet
- Battery pack
- Static transfer switch
- Power line
- Parallel line

8	9.6 MW	≤ 5%	3
UPS in parallel, up to	system power	current imbalance	buses in multi-bus mode

TECHNICAL DATA

IST6 400–1200 kVA

Cabinet	400 kVA	500 kVA	600 kVA	800 kVA	1000 kVA	1200 kVA
Power modules (100 kVA)	4	5	6	8	10	12
Bypass module	3U	4.5U	4.5U	4.5U	4.5U	4.5U
INPUT						
System · voltage	3Ph+N+PE · 380 / 400 / 415 V; 138–485 V (full power 324–485 V, linear derating below)					
Frequency · PF · THDi	40–70 Hz · ≥ 0.99 · ≤ 3% at full load					
Bypass	304–438 V; synchronisation 50 / 60 ± 6 Hz; settable window					
BATTERY						
Lead-acid	480 V DC nominal (360–600 V), 30–50 × 12 V blocks, standard 40; neutral optional					
Lithium (with BMS card)	512 V DC nominal (384–640 V), 120–200 cells, standard 160					
Charging current	20 A × number of modules · cold start · shared battery					
OUTPUT						
System · voltage	3Ph+N+PE · 380 / 400 / 415 V ± 1%					
Power factor · THDv	settable 0.8–1.0 (default 1.0) · ≤ 1% linear, ≤ 3% non-linear					
Frequency · phase error	tracks the bypass; 50 / 60 ± 0.1 Hz with mains abnormal · ≤ 1° balanced, ≤ 2° unbalanced					
Transfer	mains ↔ battery 0 ms · bypass ↔ inverter < 1 ms synchronised, < 15 ms					
Inverter overload (PF ≥ 0.95)	≤ 105% continuous · 105–110% 60 min · 110–125% 10 min · 125–150% 1 min · > 150% to bypass					
Bypass overload	≤ 135% continuous · 135–150% 5 min · 150–200% 1 s · 200–300% 100 ms					
SYSTEM						
Efficiency · modes	97.2% (General) / 98.1% (PLUS) · ECO 99.2% · W-ECO 99% · energy storage, sleep, generator					
Parallel	up to 8 UPS, current imbalance ≤ 5% · BSC dual bus and multi-bus (3 buses)					
Communication	Modbus · RS232 · RS485 · 4 inputs / 3 outputs dry contact · options: SNMP, expansion, BMS					
Environment	0 … 40 °C · 0–95% RH · ≤ 2000 m · IP20 · < 80 dB · EMC category C3					
W × D × H (mm)	801 × 1000 × 2000	801 × 1000 × 2000	801 × 1000 × 2000	801 × 1000 × 2000	1201 × 1000 × 2000	1201 × 1000 × 2000
With distribution cabinet	—	—	—	1400 mm wide	1800 mm wide	1800 mm wide
Weight without modules	345 kg	434 kg	434 kg	435 kg	662 kg	662 kg

Power module 440 × 760 × 130 mm (without ears and handles), 54 kg. Data from the IST6 400–1200 kVA user manual. Specifications are subject to change without notice.

Ordering codes

Code	Description
IST6-800	Modular cabinet, max. 8 × 100 kVA power modules, without modules
IST6-1000	Modular cabinet, max. 10 × 100 kVA power modules, without modules
IST6-1200	Modular cabinet, max. 12 × 100 kVA power modules, without modules
IST6-100-J	100 kVA / 100 kW power module
PAR - IST6	Parallel kit

400, 500 and 600 kVA cabinets: code on request.