

Inverter system IFT

High quality power protection.



Inverter system IFT 24M

Highlights

- | Hot swap technology
- | Pure sine wave AC output
- | Galvanic isolation between output and battery
- | 100% front installation and usage
- | Wide temperature range of operation
- | Fail-safe modular structure combined with fault-tolerant solutions

HIGHLY RELIABLE. MODULAR. HOT.

IFT – high quality uninterrupted power for critical environments at all times.

Performance

IFT series presents a modular inverter system, which ensures an uninterruptible power supply for loads operating at sinusoidal 220 VAC, generated from direct current power sources. The presence of galvanic isolation between output and battery guarantees the highest protection level for the load from external impacts. N+1 redundancy ensures highest availability.

Reliability

Great redundancy is provided. A failure in any of the modules does not have any influence on the system functionality. An outage of the whole system is not possible.

Scalability

The IFT inverter system can be easily scaled. A 42U cabinet contains a power distribution unit and can house up to 12 inverter modules.

Simplicity

Setting up and controlling via 2 buttons beside the display. Hot swap technology for fast and safe module exchange. The real time-saving and cost-reducing plug & play system.

Monitoring and control

Communication via HTTP, SNMP. Integrated web server and IPS' global cloud monitoring.

Technical data

Inverter system IFT

Input (DC)	
Voltage	48 V ... 220 V
Output (AC)	
Voltage	230 V (3 x 400 V)
Voltage form	Sine wave
Power, nominal	Up to 3 MVA
Frequency	50 Hz \pm 0.05% / 60 Hz \pm 0.05%
Voltage tolerance, static	\leq 1%
Voltage tolerance, dynamic	\leq 5% at 100% load step
Voltage tolerance, asymmetric load	\leq 2% at 100% asymmetric load
Other specifications	
Features & Benefits	<ul style="list-style-type: none"> Pure sine wave AC output Galvanic isolation between output and battery Advanced battery control Battery capacity test Hot swappable inverter modules Short MTTR Six Nines availability Automatic and manual bypass Digital, light and sound signaling
Protections	<ul style="list-style-type: none"> Protection against overload and short circuit at the output Protection against deep battery discharge Protection against high temperature
Operating conditions	
Ambient temperature	-40°C ... +80°C
Operating altitude	\leq 3000 m a.s.l.

Applications:

- Power- and Substations
- Railway signaling
- IT equipment
- Telecom equipment
- Airport safety devices
- Process Automation
- Defense systems
- Security systems



Inverter module I4000