

INDUSTRIAL PROCESS AND DATA CENTERS

INSPIRE SERIES

On-line UPS double conversion with DSP control from 10-400KVA

Description

The Inspire series is a range of high-performance UPSs with on-line double-conversion (VFI) technology, in tower format with three-phase input and output.

The Inspire series incorporates the most advanced real digital signal processor (DSP) controlled transformerless design. It is parallelable up to 4 units.



Performances

- > IGBT Rectifier Technology
- > Real Digital Signal Processor (DSP) controlled
- > Input Power Factor Correction PFC (PF: >0.99)
- > Low Total Harmonic Distortion (THDi ≤ 5%)
- > High Efficiency up to 94%
- > Wide Input Voltage Range
- > Generator Compatible Operation
- > Intelligent battery management system extends the lifetime of batteries
- > Static and Manual Bypass
- > Optional Galvanic isolation transformer
- > Communication with computers and network systems with SNMP availability
- > Expandable battery blocks
- > Low installation and operating costs
- > EPO (Emergency Power Off)
- > Parallelable up to 4 units
- > Regenerative load feature
- > 192 event logs (4500 alarms)
- > RS232 and dry contact interface for remote monitoring

*Product images may vary according to power values.

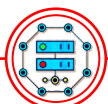
Applications



Small Data Center



Medium Data Center



Network & Server



Industrial controls & Process Automation



Medical Equipment



Building Automation



Elevator & Escalator

GENERAL SPECIFICATIONS

Model	Inspire													
Power (kVA)	10	15	20	30	40	60	80	100	120	160	200	250	300	400

INPUT

Voltage Tolerance	220/280 VAC (230/400 VAC) 3 Phase + N, +20%, -25%													
By-pass Voltage and Tolerance	220/280 VAC (230/400 VAC) 3 Phase + N, +/-10%													
Power Factor	>0.98-0.99													
THDI (harmonic distortion) inputs	< 5%													
Input Frequency and Tolerance	50 Hz / 60 Hz (adjustable) +/- 5%													

OUTPUT

Power (kW)	8	12	16	24	32	48	64	80	96	144	180	225	270	360
Power Factor	0.8							0.9						
Voltage and Tolerance	380-400VAC 3 P, 4 N, +Earth, +/-1% (240/415 optional)													
Frequency	50 Hz / 60 Hz (adjustable)													
Frequency Tolerance	Synchronous Network +/- 1% / Self Employment: +/- 0,2% (adjustable)													
Efficiency (100% load)	up to 94%													
Peak Factor	03:01													
Overload Protection	100% - 125% load: 10 mins/125% - 150% load: 1 mins/>150% load: static by-pass													
THD	< 3% linear load (non linear load < 5%)													

BATTERY

Tip	Full-closed Dry Type Maintenance Free													
Battery Quantity	62							60						
Charging Voltage	2 x 405 VDC													
Discharge Voltage	2 x 300 VDC													
Battery Protection	Automatic circuit breaker													
Battery Test	Standard													

GENERAL

User interface	LCD Panel, Mimic led panel, 5 vektor buttons, Buzzer, Optional Graphical Color Touch Screen															
Indicator	Phase -N Voltage, Phase-Phase Voltage, Current, Power, Crest Factor, Frequency, PF, Service Time															
Communication	2xRS232 Serie Port, 4 standard and 8 optionel dry alarm contact															
Entries	EPO (kill switch) input, Interactive panel battery input, Generator Input															
Software	Standard GRP Administrative UPS Software (3 user + 1 server management)															
Alarm Recording	Standard: 192 Event Date and Time, (512 event optional)															
Protection	Overheating protection module, Over Current, high temperture alarm															
Operating Temperature Rance	0°C - 40°C															
Protection Class	IP20															
Working Height	90% max (non condensed) <1000m above sea level															
Weight (without battery) (kg)	100	114	116	122	180	202	252	285	405	522	570	735	750			
Boyut (L*W*H) (mm)	400 x 780 x 1070				570 x 900 x 1300			670 x 730 x 1630			850x 780x 1820		970 x 850 x 1950		1340 x 1080 x 1950	

OPTIONS

Input	110/208 VAC													
Output	110/208 VAC													
Transformer	Galvanic isolation transformer (input and output)													
Software	GRP Soft Admin Multi UPS monitoring, GRPSoft Server 50-100-200 User, DLOG log loader													
Adapters	SNMP, MODBUS, RS485, Remote Monitoring Panel													
Parallel Operation	N+1 (up to 4 pcs)													

* External batteries, consult weights and dimensions for other autonomies.

Specifications may be changed without notice