



The ION F22 is a world class, redundant, scalable, 3 Phase UPS power protection system designed to cost effectively provide high levels of availability. The ION F22 is a true modular system. Made up of dedicated and redundant 20kVA power modules and batteries, all engineered into a design that is easily and efficiently serviceable, this solution can scale power and runtime as demand grows or as higher levels of availability are required from 20kVA to 60kVA. The ION F22 simplifies maintenance and replacement with low MTTR.



F22 FEATURES

- 2 year warranty*
- Online double conversion technology
- Modular hot swappable battery packs
- Battery monitoring system
- Integrated IGBT module with improved performance
- Large Friendly touch LCD with graphic display
- High efficiency of 98% in ECO mode
- High power density compact 20kVA power modules

F22

3 Phase Modular UPS

Specifications

		F22-60-20M
Output		
Output Power Capacity		54kW/60kVA
Max Configurable Power (Watts)		54kW/60kVA
Power Module Capacity		18kW/20kVA
Voltage Regulation		±1% (Balance load); ±1.5% (Unbalance load)
THDu		THD<1.5% (linear load), THD<5% (None linear load)
Power Factor		0,9
Crest Ratio		3:01
Overload Capacity		110% for 1 hour; 125% for 10 minutes ;150% for 1 minute; >150% for 200ms
Input		
Phase		3 Ph + Neutral + Ground, 380V/400V/415V (line to line)
Voltage Range		-45%
Frequency Range		40Hz-70Hz
Power Factor		>0.99
THDi		THDi<3% @100% linear load
Battery		
Voltage		±240VDC
Charge Power		20%*System Power
Charge Voltage Precision		±1%
System		
System Efficiency		Normal mode: 95%; ECO mode: 98%; Battery mode: 95%
Display		LCD+LED, Touch Screen+Keyboard
IP Class		IP20
Interface (Communication port)		Standard:RS232, RS485, Dry contacts; Optional: SNMP
Installation/Connection		Top or bottom cable connection
Operation/Storage Temperature		0-40°C/-40-70°C
Relative Humidity		0-95% (non-condensing)
Noise		55dB (1 meter away)
Physical		
Weight	Cabinet	205Kg
	Power module	22Kg
	Battery package	10kg (without battery)
Dimension W*D*H	Cabinet	600*1020*2000mm
	Power module	440*590*134mm
	Battery package	120*824*177mm
Conformance		
Approvals		CE
Standard warranty		2 Year Manufacturer's Warranty*

*Product specifications are subject to change without further notice.

*2 year warranty on UPS electronics and batteries please refer to the ION website for more information.