:ION F-20 3-PHASE DOUBLE CONVERSION UPS

10kW – 80kW

ION F-20 is a three-phase, online double conversion Unity Power Factor UPS providing uninterrupted power protection for the continuous operation of computer rooms, data centres and facility locations.

The ION F20 delivers clean and efficient backup power for medium and large data centres and critical IT systems with options for internal batteries or customisable long run times.

ION F20 can be set up in parallel/redundant systems (up to 6 units) and is backed with a 2 Year Manufacturer's Warranty for peace of mind.

ION F-20 FEATURES:

- 2 Year Warranty*
- Online double conversion technology
- High Efficiency, On-line Mode Efficiency 96%
- Common Battery Used for Parallel Redundant System
- High Output Power Factor 1.0
- Low input current distortion
- Space-saving compact design
- Parallel redundant operation with up to 6 units
- A variety of communication options available
- Advanced Operator Interface —Colour LCD Touch Screen

2 YEAR WARRANTY*

LCD LCD DISPLAY

*2 year warranty on electronics and batteries. See website for full terms and conditions.

SPECIFICATIONS – ION F20

MODEL	F20 10kW	F20 20kW	F20 30kW	F20 40kW	F20 60kW	F20 80kW
INPUT						
Voltage	400V 3 Phase + N					
Voltage Tolerance	±20%					
Frequency	40~70Hz					
Power Factor	≧ 0.99					
THDi	<3%					
OUTPUT						
Voltage	380/400/415V 3 Phase + N					
Voltage Tolerance	±1% (Static Load)					
Power Factor	1					
Frequency	50/60Hz					
Frequency Tolerance	±0.05% (free running)					
Crest Factor	3:1					
Voltage Harmonic Distortion	<1% with linear load; <3% with distorting load					
Overload	110% for 60 minutes, 125% for 10 minutes, 150% for 1minutes					
BATTERY						
Number of Batteries	32~40pcs configurable					
Max. Charging Current	3.5A	7A	10A	13A	20A	20A
Common Battery for Parallel Configuration	Yes					
EFFICIENCY						
VFI Mode	Up to 96%					
ECO Mode	>98%					
BYPASS						
Voltage	380/400/415V.3 Phase + N					
Voltage Tolerance	±5%~±15% (Programmable)					
Frequency	50/60Hz					
Frequency Tolerance	±1Hz / ±3Hz (Selectable)					
PARALLEL						
Parallel	Up to 6 units					
MECHANICAL						
Dimension, W x D x H (mm)	440 x 840 x 1390	440 x 840 x 1390	440 x 840 x 1390	440 x 840 x 1390	600 x 827 x 1300	600 x 827 x 1300
Protection Grade	IP20					
HMI & COMMUNICATION						
Display and MMI	4.3'' Colorful LCD Touch Screen					
Built-in Communication Port	USB, EPO, Dry Contact					
Optional Communication	2 Communication Slots for SNMP Card, RS-485 Modbus Card, Dry Contact Card					
ENVIRONMENT						
Operation Temperature	0~40°C / 32~104°F					
Operation Humidity	0~95% (w/o condensation)					
Tested to standards	LVD: EN62040-1, EMC requirements: EN62040-2					
Mark	CE					
Noise (at 1 meter)	<52dBA	<52dBA	<55dBA	<55dBA	<60dBA	<60dBA

*Specifications subject to change without notice.
**Depending on the model and voltage, please contact ION for more information.
***The same technical specification may be sold in different countries under different model names, please consult ION for more information.