



info@ionups.com.au  
www.ionups.com.au  
P: 1300 700 805

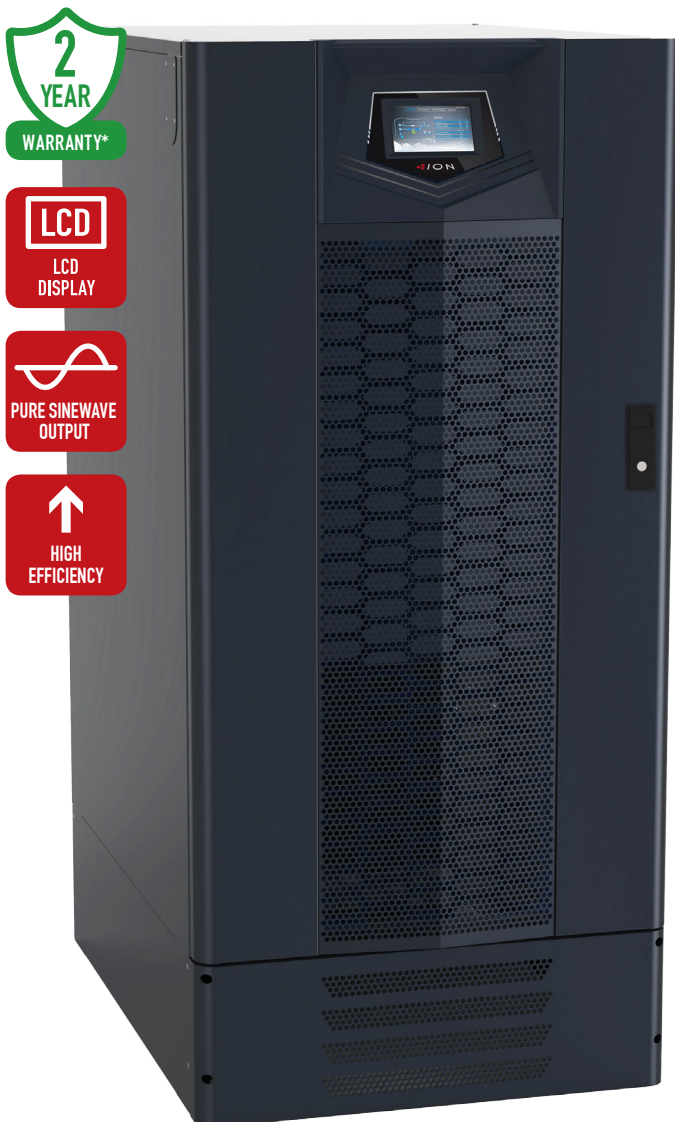
# F20

## 3Phase Online UPS

10kW / 20kW / 30kW / 40kW / 60kW / 80kW



ION F20 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.



## F20 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

# F20

## 3Phase Online UPS

### Specifications

	F20-10KW	F20-20KW	F20-30KW	F20-40KW	F20-60KW	F20-80KW
<b>Output</b>						
Output power capacity	10kW/10kVA	20kW/20kVA	30kW/30kVA	40kW/40kVA	60kW/60kVA	80kW/80kVA
Max Configurable Power (kW)	10kW/10kVA	20kW/20kVA	30kW/30kVA	40kW/40kVA	60kW/60kVA	80kW/80kVA
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	3:01					
Voltage Harmonic Distortion	<1% with linear load; <3% with distorting load					
Overload	110% for 60 minutes, 125% for 10 minutes, 150% for 1minutes					
<b>Input</b>						
Nominal Input Voltage	400V 3 Phase + N					
Voltage Tolerance	±20%					
Frequency	40~70Hz					
Power Factor	≥ 0.99					
THDi	<3%					
<b>Battery</b>						
Number of Batteries	32~40pcs configurable					
Max. Charging Current	3.5A	7A	10A	13A	20A	26A
Common Battery for Parallel Configuration	Yes					
<b>Efficiency</b>						
VFI Mode	Up to 96%					
ECO Mode	>98%					
<b>Bypass</b>						
Voltage	380/400/415V.3 Phase + N					
Voltage Tolerance	±5%~±15% (Programmable)					
Frequency	50/60Hz					
Frequency Tolerance	±1Hz / ±3Hz (Selectable)					
<b>Parallel</b>						
Parallel	Up to 6 units					
<b>UPS Physical</b>						
Maximum Height	1390mm	1390mm	1390mm	1390mm	1300mm	1300mm
Maximum Width	440mm	440mm	440mm	440mm	600mm	600mm
Maximum Depth	840mm	840mm	840mm	840mm	827mm	827mm
Net Weight	113kg	115kg	130kg	132kg	200kg	230kg
Protection Grade	IP20					
<b>HMI &amp; Communication</b>						
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					
<b>Environment</b>						
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					
Noise (at 1 meter)	<52dBA		<55dBA		<60dBA	
<b>Conformance</b>						
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.