



info@ionups.com.au
www.ionups.com.au

P: 1300 700 805

F20

3 Phase 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 configurations (up to 6 units) and is backed with a 2 Year Manufacturers Warranty for peace of mind.



F20 FEATURES

- 2 year warranty*
- Online double conversion technology
- High efficiency, on-line mode efficiency >98%
- Common battery used for parallel redundant system
- Unity 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

3 Phase Online UPS

Specifications

	F20-10KW	F20-20KW	F20-30KW	F20-40KW	F20-60KW	F20-80KW
Output						
Output Power Capacity	10kW/10kVA	20kW/20kVA	30kW/30kVA	40kW/40kVA	60kW/60kVA	80kW/80kVA
Max Configurable Power	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					
Input						
Nominal Input Voltage	400V 3 Phase + N					
Voltage Tolerance	±20%					
Frequency	40~70Hz					
Power Factor	≥ 0.99					
THDi	<3%					
Battery						
Number of Batteries	32~40pcs configurable					
Max. Charging Current	3.5A	7A	10A	13A	20A	26A
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 Configuration	Up to 6 units					
UPS Dimensions						
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					
HMI & Communication						
Display	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% (non-condensing)					
Tested to Standards	LVD: EN62040-1, EMC requirements: EN62040-2					
Noise (at 1 meter)	<52dBA		<55dBA		<60dBA	
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.