ION

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ION F21 is a modular, scalable online UPS ranging from 10kW to 90kW with a flexible design that can be configured 3:3, 3:1 or 1:1 (input/ output phases) and can even be installed and integrated into existing rack cabinets. The F21 comes with a large 7" touch colour LCD with graphic display and optional modular hot swap battery shelves. With its high efficiency of 98% in ECO mode and compact flexible design makes the F21 the ideal choice for small and medium data centre solutions.

2 YEAR WARRANTY*

LCD DISPLAY

PURE SINEWAVE OUTPUT

HIGH EFFICIENCY

F21 FEATURES

- 2 year warranty*

- Online double conversion technology

- 0.9 Power factor

- High efficiency of 98% in ECO mode

- High power density, compact 2RU 10kW & 15kW power modules

- Optional factory phase configuration of 3:3, 3:1 or 1:1 without derating

- Large Friendly 7" touch colour LCD with graphic display

- Modular design compatible with 19" rack cabinets or configurable for standalone / tower

- Intelligent battery charging management

F21
3 Phase Modular UPS
Specifications

	F21-20-10M	F21-40-10M	F21-60-10M	F21-90-15M
Output				
Output Power Capacity	18kW/20kVA	36kW/40kVA	54kW/60kVA	81kW/90kVA
Max Configurable Power (Watts)	18kW/20kVA	36kW/40kVA	54kW/60kVA	81kW/90kVA
Power Module Type	PM10M(9kW/10kVA)			PM15M(13kW/15kVA)
Voltage	3 phase:380/400/415V			
	1 phase:220/230/240V			
Voltage Regulation	1,5%			
Power Factor	1			
THDu	THD<1% (linear load), THD<5.5% (None linear load)			
Crest Ratio	3:01			
Overload Capability	110% for 1 hour; 125% for 10 minutes ;150% for1 minute; >150% for 200ms			
Input				
Phase	3P + N + G (380/400/415V)			
Voltage Range	304-478Vac (line-line),100% load;			
	228-304Vac, load derated from 100%-75% linearly			
Frequency Range	40Hz-70Hz			
Power Factor	>0.99			
THDi	THDi<4% @ 100% linear load			
Battery				
Voltage	±240VDC			
Charge Power	20% of System Power			
Charge Voltage Precision	±1%			
System				
System Efficiency	Normal mode: 95%; ECO mode: 98%; Battery mode: 94.5%			
Display	7.0" Colour touch screen LCD + LED + Keyboard			
IP Class	IP20			
Interface	Standard: RS232, RS485, Dry contacts;			
	Optional: SNMP, Expansion dry contact card			
Operation/Storage temperature	0-40℃/-25-70℃			
Relative Humidity	0-95% (non-condensing)			
Noise	56dB @ 50% load (1 meter away)			
Dimensions				
Weight — Cabinet	42kg	51kg	70kg	70kg
Weight — Power module	15.3kg			15.5kg
Dimension (W*D*H) — Cabinet	485*697*398mm	485*697*575mm	485*751*1033mm	485*751*1033
Dimension (W*D*H) — (mm)	(7U)	(11U)		
Dimension (W*D*H) — Power module	436*590*85 mm (2U)			436*590*85 mm (2U)
Conformance				
Approvals	CE			
Standard warranty	2 Year Manufacturer's Warranty*			