

## FT - 3:3 MODULAR UPS SERIES 15.0 - 120.0 KVA



### Key Features and Benefits:

- Advanced dual-core DSP control technology
- True On-line, double conversion power protection, and with strong load capacity
- Compact footprint, modular Hot-swappable design simplifying maintenance and scalability
- High efficiency up to 94% in on-line mode, 99% efficiency in ECO mode
- Dual input design, independent bypass available, improving bypass availability
- Output power factor 1.0, input power factor  $\geq 0.99$ , input THDi  $\leq 3\%$ , output THDv  $\leq 2\%$
- 114 ~ 277 Vac wide input voltage range, 50 Hz / 60 Hz grid self-adaptive
- Frequency conversion available: 50 Hz input / 60 Hz output or 60 Hz input / 50 Hz output
- Advanced digital parallel technology, improving redundancy and reliability in system
- Flexible charger parameter and battery configuration settings, battery number 16 ~ 24 pcs selectable
- Compatible with lead-acid battery and lithium battery, suitable for different types of battery configuration requirements
- Support cold start with battery and auto restart with mains power
- Settable delay time for startup when the mains power is restored, reducing the impact on the grid or generators
- Fan speed varies intelligently with temperature, reducing noise and extending the service life of the fan
- Fault-tolerant design for fan system, taking 35% loads when any one of fans fails
- Superior hardware and software protection function, robust self-diagnostic function, and abundant event log
- Hibernation function to improve the system efficiency at light loads and extend the service life of UPS
- Powerful background software for parameters configuration and online updating
- 7 inches LCD touch screen, friendly human-machine interface
- Multi-platform communications: RS485, CAN, NET, dry contacts, SNMP, Wi-Fi and GPRS communication interfaces; Real-time monitoring UPS available through the mobile App after installing Wi-Fi card and GPRS card
- Intelligent battery management, automatic floating/equalizing charge control, battery self-diagnosis control, SOC detection, SOH detection and charger hibernation control, extending battery lifespan

Exclusive Distributor:



MODEL	FT-3360 MODULAR UPS	FT-33120 MODULAR UPS
Rated capacity	60 kVA / 60 kW	120 kVA / 120 kW
Number of power module	4	8
Rated capacity of power module	15 kVA / 15 kW	
<b>INPUT</b>		
Input wiring	Three-phase five-wire (3 + N + PE)	
Rated voltage	190 / 208 / 220 Vac	
Voltage range	166 ~ 277 Vac (no downgrading), 114 ~ 166 Vac (linear downgrading between 40% ~ 100% load)	
Frequency range	40 ~ 70 Hz	
Input power factor	0.99	
THDi	3%	
Bypass input voltage range	-40% ~ +25% (settable)	
Battery voltage	±120VDC±96V,±108V,±120V,±132V,±144V settable	
Number of battery	20 pcs 12 V batteries (16, 18, 20, 22, 24 pcs settable)	
<b>OUTPUT</b>		
Output wiring	Three-phase five-wire (3 + N + PE)	
Rated voltage	190 / 208 / 220 Vac	
Output voltage regulation accuracy	± 1%	
Output frequency accuracy	Synchronized with utility in mains power mode; 50 Hz / 60 Hz ± 0.1% in battery mode	
Output power factor	1	
Output waveform distortion (THDv)	2% (linear load); 5% (non-linear load)	
Crest factor	3:01	
Overload capacity	105% < load 110% for 60 min, 110% < load 125% for 10 min, 125% < load 150% for 1 min, load > 150% for 0.2 s	
<b>SYSTEM</b>		
Max. efficiency	94% in on-line mode, 99% in ECO mode	
Transfer time	0 ms	
Max. number of parallel connections	2	
Protections	Short-circuit, overload, over-temperature, battery low voltage, undervoltage, overvoltage, fan failure protection	
Communications	Standard configurations: RS485, CAN, NET, SNMP, dry contacts port, and	
Display	7 inches LCD touch screen	
<b>ENVIRONMENTAL</b>		
Operating temperature	0 ~ 40	
Storage temperature	-25 ~ +55 (without battery)	
Relative humidity	0% ~ 95% (non-condensing)	
Altitude	≤ 1000 m, above 1000 m, derating 1% for each additional 100 m	
Protection level	IP 20	
Noise	65 dB (at 1 m)	
<b>OTHERS</b>		
Cabinet dimensions (W x D x H) (mm)	600 x 850 x	600 x 850 x 2000
Cabinet weight (kg)	180	280
Module dimensions (W x D x H) (mm)	442 x 620 x 86	
Power module weight (kg)	20,26	
Color	Black	

All specifications subject to change without notice.