



La MARCHÉ

ISO 9001:2015 CERTIFIED

FT Series

FT Series Pure Sine Wave Inverter 1kVA-8kVA



The La Marche FT Series is a pure sine wave AC Inverter, designed to adapt to various types of loads. This DC to AC Inverter with dual CPU control provides excellent performance with automatic protection. The FT Inverter transformer based design temporarily provides extra power in harsh conditions, such as motorized equipment. Available in 120VAC, 208VAC, 220VAC or 240VAC Output.

Specifications

	Model Output Voltage	120VAC	208VAC	220VAC	240VAC
Input	DC Input Range	12 Volt (11V-14V) 24 Volt (21V-28V) 48 Volt (45.5V-57V) 96 Volt (88V-108V)			
	Battery Charge Current	30A adjustable			
	Input Voltage Range	90-132VAC	170-275VAC		
	Input Frequency	45-65hz			
Output	Model Output Voltage	120VAC	208VAC	220VAC	240VAC
	Frequency	50/60Hz ± 1%			
	Output Wave	Pure Sine Wave			
	Transfer Time	< 10ms (Typical Load)			
	Efficiency	> 85% (80% Resistive Load)			
	Overload	110-120% for 30sec, > 160%for 300ms			
	Dynamic Response	5% (0-100% load)			
	Total Harmonic Load	(< 3 %) Linear Load			
Protection	Regulation	15%			
	Protection Function	Battery Overvoltage Protection Battery Undervoltage Protection Overtemperature Protection Overload Protection Short Circuit Protection			
Environmental	Dielectric Strength	1500VAC, 1min			
	Normal Operation	-20°C to 50°C			
	Derated Operation	50°C to 80°C			
	Thermal Shutdown	> 85°C			
	Relative Humidity	0-90% Non Condensing			
	Noise	< 40dB			

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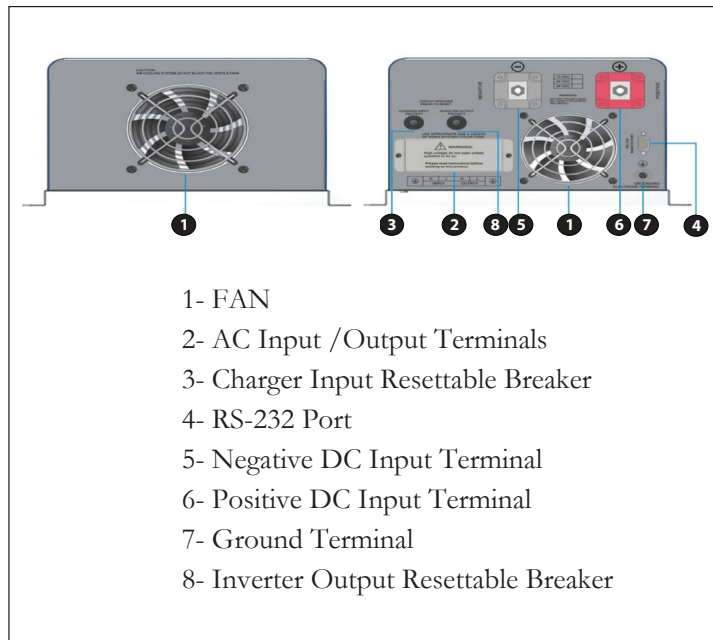
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FT Series Chart

Model: FT	Rated Power		Battery				FT Dimensions L x W x H mm - in	Weight	
	120VAC Model	208, 220, 240VAC Model	DC Input Current (A) @ DC Input Voltage (V)					Kgs	Lbs
			12 VDC	24 VDC	48 VDC	96 VDC			
1K	780W	910W	95A	47A	24A	---	486 x 247 x 179 mm 19.2 x 10 x 7 in	13kg	29lbs
2K	1565W	1825W	189A	85A	47A	---	486 x 247 x 179 mm 19.2 x 10 x 7 in	16kg	35lbs
3K	2350W	2740W	---	142A	71A	---	486 x 247 x 179 mm 19.2 x 10 x 7 in	18kg	40lbs
4K	3130W	3650W	---	189A	95A	---	550 x 307 x 189 mm 22 x 12 x 8 in	27kg	60lbs
5K	3915W	4565W	---	235A	118A	59A	550 x 307 x 189 mm 22 x 12 x 8 in	30kg	66lbs
6K	4700W	5475W	---	---	141A	71A	550 x 307 x 189 mm 22 x 12 x 8 in	42kg	92lbs
8K	6265W	7305W	---	---	189A	95A	653 x 338 x 260 mm 25.7 x 13.3 x 10 in	47kg	103lbs

Panel View



Operation Mode

01 SET	Grid Priority Mode	The inverter supplies power to the load through the Bypass.
02 SET	Energy-Saving Mode	The inverter only supplies power when the connected load is above 5%. During the No-Load condition output of the inverter will be OFF.
03 SET	Battery Priority Mode	The inverter supplies power to the load through the batteries.

Model Number Nomenclature

DC Bus	Rating	FT - 6K - 48V - A6			Output Voltage	Frequency
12V	1kVA	Model	Rating	Frequency	A = 120VAC	50Hz /60Hz
24V	2kVA			Voltage	B = 240VAC	
48V	3kVA			DC Bus	D = 208VAC	
96V	4kVA				L = 220VAC	
	5kVA					
	6kVA					
	8kVA					