



Soltec

The professional power people

X1 Series

Inverter (High frequency)600VA-1.2kVA



Features

- Use low voltage battery 12Vdc, ensure home/office safety
- Utility + Inverter + Charger + Transfer Switch: all in one
- Output power factor 1
- Un-limited battery back-up time
- Large charger capacity with PFC (0.98)
- Charge current (10A - 50A) programmable
- High efficiency, low heat dissipation save energy
- Hi-frequency line-interactive design (5 countries pattern)
- Input and Output isolation (battery mode)
- Have DC start and self-diagnostic function
- Input voltage range programmable
- Generator compatible, no limitation on type of load
- LCD control panel
- Design to operate under harsh environment

X1 Series Inverter (High frequency) 600VA-1.2kVA

MODEL		X1-602	X1-123
Capacity	VA/Watt	600VA/600W	1.2kVA/1.2kW(2X0V) 1kVA/1kW (1X0V)
INPUT			
Nominal Voltage		100/110/115/120Vac or 208/220/230/240Vac	
Voltage Range		Wide & narrow voltage range selectable (Default: narrow range) Wide : 55Vac ~ 150Vac or 110Vac ~ 300Vac Narrow : 90Vac ~ 130Vac or 180Vac ~ 260Vac	
High Voltage Transfer(Wide / Narrow)		150Vac ± 5% / 130Vac ± 5%; 300Vac ± 5% / 260Vac ± 5%	
High Voltage Return(Wide / Narrow)		145Vac ± 5% / 125Vac ± 5%; 290Vac ± 5% / 250Vac ± 5%	
Low Voltage Transfer(Wide / Narrow)		55Vac ± 5% / 90Vac ± 5%; 110Vac ± 5% / 180Vac ± 5%	
Low Voltage Return(Wide / Narrow)		60Vac ± 5% / 95Vac ± 5%; 120Vac ± 5% / 190Vac ± 5%	
Frequency Range		40 ~ 63 Hz (Auto sensing)	
Phase		Single phase with ground	
OUTPUT			
Waveform		Pure sine wave	
Voltage		100/110/115/120Vac or 208/220/230/240Vac	
Voltage Regulation (Battery. Mode)		± 1 % RMS for entire battery voltage range	
Frequency Regulation	Line Mode	Synchronize to AC main	
	Battery Mode	50 Hz / 60Hz ± 0.1 Hz	
Power Factor		1	
Current Crest Ratio		3 : 1	
Efficiency	Line Mode	> 98%	
	Battery Mode	> 85%	
Overload Protection		Line mode : > 110%, then buzzer alarm and amber LED blink continuously Battery. mode : 110%-120%: 10s, >120% : 200ms then UPS shutdown	
Harmonic Distortion		≤ 3% (Linear load), ≤ 6% (Non-linear load)	
Transfer Time		4 ms (Typical) / 8 ms (Max)	
DC START			
Cold Start		Yes	
BATTERY			
Voltage		12Vdc	
Type		Depending on the capacity of external batteries	
CHARGING			
Current(for 12Vdc Battery)		High and low charging current range selectable (Default: low range)	
Hi:(AC Wide / Narrow Voltage)	Max : 20A / 35A	Max : 30A / 55A(2X0V)	
		Max : 10A / 20A(1X0V)	
Low:(AC Wide / Narrow Voltage)	Max : 10A / 15A	Max : 15A / 20A(2X0V)	
		Max : 5A / 6A(1X0V)	
Voltage		13.6Vdc ± 0.2V	
Efficiency		> 82 %	
Power Factor		> 0.98	
DISPLAY			
LCD		UPS status, I/P&O/P voltage/frequency, load level, battery voltage	
LED		Normal (Green), Warning (Amber), Fault (Red)	
AUDIBLE ALARM			
Battery Mode		Beeping every 4 seconds	
Low Battery		Beeping every second	
UPS Fault		Beeping continuously	
Overload		Beeping twice per second	
COMMUNICATION PORT			
Standard Configuration		HID (Human Interface Device)	
ENVIRONMENT			
Operation Temperature		0 - 40 °C (32 - 104 °F)	
Relative Humidity		0-95% (non-condensing)	
Audible Noise (At 1M)		< 55dBA	
PHYSICAL			
Dimensions(WxHxD)mm		225*101*335	
Net Weight(Kg)		4	4.6

* 2X0V:208/220/230/240Vac

* 1X0V:100/110/115/120Vac

* All specifications mentioned above are subject to change without prior notice



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