

Specification

Electrical	Item	Specification			
DC Input	Model No.	WSI-220SU-24A	WSI-220SU-24E	WSI-220SU-48A	WSI-220SU-48E
	Voltage	24 VDC		48 VDC	
	DC Input Voltage Range	20 to 33 VDC		40 to 60 VDC	
	No Load Current	< 0.9 A	< 1.5A	< 0.7 A	< 1.0 A
	Input OVP	25 to 35VDC ; default 34VDC (User selectable)		50 to 61VDC ; default 60VDC (User selectable)	
	Input UVP	20 to 23VDC ; default 20VDC (User selectable)		40 to 46VDC ; default 40VDC (User selectable)	
AC Input	Voltage	100 to 120 VAC	220 to 240VAC	100 to 120 VAC	220 to 240VAC
	Frequency	50 or 60 Hz	50 or 60 Hz	50 or 60 Hz	50 or 60 Hz
	Max. Current	20 A	10 A	20 A	10 A
AC Output	Continuous Output Power	2200W			
	Surge Power	4000W			
	Frequency	45 ~ 65 Hz (User selectable)			
	Output Voltage	100 ~ 120 VAC ; default 120VAC (User selectable)	220 ~ 240 VAC ; default 120VAC (User selectable)	100 ~ 120 VAC ; default 120VAC (User selectable)	220 ~ 240 VAC ; default 120VAC (User selectable)
	Efficiency max.	>90%	>89%	>92%	>90%
	Output Waveform	Pure Sine wave (THD < 2%)			
Protection	DC Input Protection	UVP / OVP / Reverse Polarity (Internal Fuse)			
	AC Input Protection	20 Amp Circuit Breaker			
	AC Output Protection	Over Load / Short Circuit			
	Temperature Protection	Shutdown (Internal Heat sink Temperature > 95℃)			
	Buzzer Alarm / Dry Contact Terminal	UVP / OVP / Over Load / Fan Failure / Over Temperature (User selectable)			
Display and Control	LCD Panel	2 Line LCD Panel			
	LED Indicator	Red / Green / Orange LED			
	Dry Contact Terminal	Relay (17A/277VAC)			
	Remote Control Terminal	Control the inverter power ON / OFF			
By Pass Relay	Relay Specification	40 Amp / 240 VAC			
	Bypass Relay Selectable	On line / Off line (User selectable)			
	Switching Time	From Grid AC to Inverter: ≤ 10 ms			
		From Inverter to Grid AC: ≤ 10 ms			
Fan Operation	Failure Indication	Buzzer alarm and dry contact			
	Fan On When	Load ≥ 600 W or Heat Sink temperature ≥ 50 °C			
	Fan Off When	Load ≤ 560 W and Heat Sink temperature ≤ 45 °C			
Temperature	Operation Temperature Range	-20 to + 50 °C			
Mechanical	W x H x D (mm)	420 x 87.7 x 410 (mm)) spec excluding ears			