

Model		NST4100100	NST4100150	NST4100200
Capacity		10KVA/7KW	15KVA/10.5KW	20KVA/14KW
Input	Voltage Range	304±5VAC~478±5VAC		
	Frequency Range	46~54Hz±0.5Hz or 56~64Hz±0.5Hz auto sensing		
	Phase	Three phase		
	Power Factor	≥0.95		
Output	Voltage Range	220Vac±1%		
	Phase	Single phase		
	Frequency Range	Synchronized with utility on AC mode; 50Hz/60Hz±0.2% on battery mode		
	THD (linear load)	< 2%		
	THD (non-linear load)	< 6%		
	Overload Capability	105%~130%, 10min turn to bypass mode; >130% 1s turn to bypass mode		
	Crest Factor	3:1(max)		
	Short Circuit Protection	5 cycles turn off inverter, not transfer to bypass, provide alarm (AC mode) 5 cycles turn off inverter, provide alarm (battery mode) input fuse blown or breaker action (bypass mode)		
	Waveform	pure sine wave		
	Transfer Time	0ms (Between AC Mode and Battery Mode)		
		0ms (Between AC Mode and Bypass Mode)		
Efficiency	≥88%			
Battery	Model	12V sealed lead acid maintenance free		
	DC Voltage	240VDC		
	Configuration	20×12V/7AH	External battery bank	
	Backup Time (half load)	13min	Depends on the external battery capacity	
	Backup Time (full load)	5min		
	Charge Current(standard unit)	1A	N/A	
	Charge Current(long time unit)	5A		
Recharge Time	90% capacity after 8 hrs charging			
Communication Interface		RS232 ; SNMP (optional)		
Parallel port		Parallel availability for redundancy and load sharing up to three units		
LCD Indication		1.Input voltage/frequency, battery voltage, output voltage / frequency, load watt/VA value and percent, inverter temperature. 2.Operation mode such as "on line", "on batt", or "or bypass"		
LED Indication		1. Green LED for normal operation, 2. Yellow LED for warning condition,3. Red LED for abnormal operation		
Noise Level		<55dB		
Environment	Temperature	0~40°C		
	Humidity	0%~95% (non-condensing)		
	Altitude	<1500m		
	Storage Temperature	-40°C ~ 50°C		
Other	Standard Unit Net Gross Weight	95/109kg	N/A	
	Long Time Unit Net/Gross Weight	39/51Kg	60/74Kg	
	Dimension (W×D×H)mm	260×570×717	320×620×950	
	Packing (W×D×H)mm	430×700×845	410×717×1050	