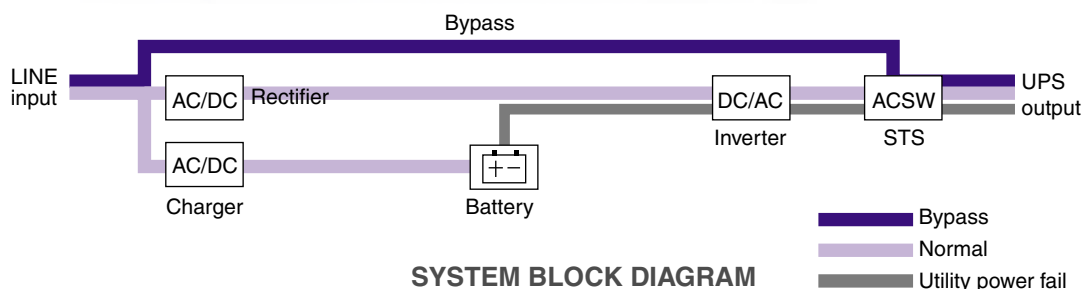


SMART ON-LINE UPS RELIABLE SMART

LCD display

- High frequency operation and high efficiency
- RS232 interface and SNMP solutions
- Intelligent short circuit protection
- Long back-up time option
- LCD & LED display
- Cold start (DC power on)
- IGBT inverter design



TECHNICAL SPECIFICATIONS

Model	Normal	NS-202	NS-302	NS-352	NS-602	NS-802	NS-103	NS-123	NS-153	NS-203	
	LCD display	NS-202S	NS-302S	NS-352S	NS-602S	NS-802S	NS-103S	NS-123S	NS-153S	NS-203S	
Capacity		2KVA 1.4KW	3KVA 2.1KW	3.5KVA 2.45KW	6KVA 4.2KW	8KVA 5.6KW	10KVA 7KW	12KVA 8.4KW	15KVA 10.5KW	20KVA 14KW	
Input	Voltage	100V, 110V, 115V, 120V, 220V, 230V, 240V ±15%					190V, 208V, 220V, 230V, 240V, 380V ±15%				
	Frequency	50 or 60Hz ±5%									
	Phase	1φ 2ω+G					1φ 2ω +G or 3φ 3ω +G or 3φ 4ω +G				
Output	Voltage	100V, 110V, 115V, 120V, or 200V, 220V, 230V, 240V									
	Frequency Stability	±0.5%(Free running)									
	Voltage Regulation	±1%					±1% (±3% with ISO Transformer)				
	Transient Response	±5%(100% load change)									
	THD	3%(Linear Load)									
	Wave Form	Sine-Wave									
	Overload Capacity	105%~150% for 30 seconds, >150% for 10 cycle									
	Short Circuit	Auto cut off output no transferring to bypass									
	Crest Factor	3:1									
	Transfer Time	Zero-cross transfer, <2 ms., UPS to bypass or reverse									
Efficiency	≥ 83%										
Battery	Battery Voltage	Lead acid maintenance-free battery									
	Battery Type	192V									
	Back up Time (Full)	12mins	8mins	6mins	6mins	5mins	5mins	4mins	10mins	5mins	
	Recharge Time	5 hours to 90%					8 hours to 90%				
Interface	Communication	RS232(option) / Dry Contact or AS 400(option)									
Indicator	LED	Line(green), inverter(green), bypass(orange), battery(green), fault(red), overload(orange), over charge(orange), battery level(5 LED indicators)									
	LCD (option)	System operating status display, input/output voltage, frequency, output loading%, battery voltage, temperatures °C									
Audible Alarm	Utility Power Fail	Beeping every 4 seconds approx, 2min. auto-alarm reset									
	Low Battery	Rapid beeping every second as battery approaches final discharge									
	Fault, Over Charge	Continuous									
	Overload	Beeping 2 seconds on every other second									
Environment	Audible Noise	<50db					<55db				
	Humidity	0%~90% (non-condensing)									
	Temperature	0°C~40°C									
Appearance	Weight(kg)	80	80	88	130	140	222/282	234/303	320/410	336/436	
	Size WXDHX(mm)	235X585X620			265X634X735		353X930X1017				

