

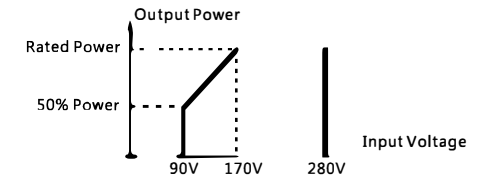


6. Specifications

Table 1 Line Mode Specifications

INVERTER MODEL	SNA5000WPV/SNA4000WPV/SNA3000WPV
Input Voltage Waveform	Sinusoidal (utility or generator)
Nominal Input Voltage	230Vac
Low Loss Voltage	170Vac±7V (UPS); 90Vac±7V (Appliances)
Low Loss Return Voltage	180Vac±7V (UPS); 100Vac±7V (Appliances)
High Loss Voltage	280Vac±7V
High Loss Return Voltage	270Vac±7V
Max AC Input Voltage	280Vac
Nominal Input Frequency	50Hz / 60Hz (Auto detection)
Output Short Circuit Protection	Software protect when GridOff discharge Circuit Breaker protect when GridOn Bypass
Transfer Time	<20ms @ Single <30ms @ Parallel
Output power derating: When AC input voltage drops to 170V, the output power will be derated.	Output Power Rated Power 20% Power

Charge power derating:
 When AC input voltage drops to 170V depending on models, the charge power will be derated.



Output power derating: When AC input voltage drops to 200V, the output power will be derated.

Max inv curren: 25A;
 Max inv Power: 5kW;

Table 2 Inverter Mode Specifications

Rated Output Power	5KVA/5KW 4KVA/4KW 3KVA/3KW
Output Voltage Waveform	Pure Sine Wave
Output Voltage Regulation	208Vac/220Vac/230Vac/240Vac±5%
Output Frequency	50Hz / 60Hz
Peak Efficiency	93%
Overload Protection	5s@≥150% load; 10s@110%~150% load
Surge Capacity	2* rated power within 5 seconds

Battery Voltage Range	46.4V-60V(Li)	38.4V-60V(Lead_Acid)
High DC Cut-off Voltage	59VDC(Li)	60VDC(Lead_Acid)
High DC Recovery Voltage	57.4VDC(Li)	58VDC(Lead_Acid)
Low DC Warning Voltage	load < 20%	44.0Vdc(Settable)
	20% ≤ load < 50%	Warning Voltage @load < 20% -1.2V
	load ≥ 50%	Warning Voltage @load < 20% -3.6V
Low DC Warning Return Voltage	Low DC Warning Voltage@Different load +2V	
Low DC Cut-off Voltage	load < 20%	42.0Vdc(Settable)
	20% ≤ load < 50%	Cut-off Voltage @load < 20% -1.2V
	load ≥ 50%	Cut-off Voltage @load < 20% -3.6V
Low DC Cut-off Return Voltage	Cut-off Voltage@load < 20% ≥ 45V	Low DC Cut-off Voltage @load < 20% +3V
	Cut-off Voltage@load < 20% < 45V	48V
Low DC Warning SOC	20% SOC (Settable)	
Low DC Warning Return SOC	Low DC Warning SOC +10%	
Low DC Cut-off SOC	15% SOC (Grid on) (settable)	
	15% SOC (Grid off) (settable)	
Low DC Cut-off Return SOC	Low DC Cut-off SOC +10%	
Charge Cut-off Voltage	58.4Vdc	
No Load Power Consumption	<60W	
Table 3 Charge Mode Specifications		
Utility Charging Mode		
Lead_Acid Battery Charging Algorithm	3-Step	
Max. AC Charging Current	60Amp(@VI/P = 230Vac)	
Bulk Charging Voltage	Flooded Battery	58.4Vdc
	AGM / Gel Battery	56.4Vdc
Floating Charging Voltage	54Vdc	

