

N3300S

2.4-3.3kW Single-phase Off-grid Inverter

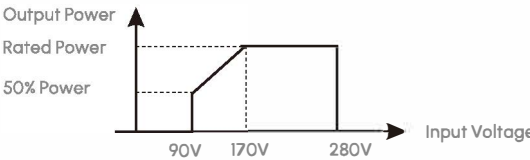
2.4kW/3kW/3.3kW

- Compact and lightweight high frequency inverter with pure sine wave output
- Integrated MPPT charge controller
- Configurable grid or solar input priority
- Backup switch time $\leq 10\text{ms}$
- Intelligent load management and automated start/stop of diesel engines via dry contacts
- Multiple protections for overload, short circuit and deep discharge to ensure equipment safety
- Cold start Function
- Great battery compatible capability
Compatible with lead-acid and lithium batteries with lithium battery activation function
- Automatic restart when AC power is restored
- Configurable AC / PV input priority via LCD setting
- Optional WIFI/ GPRS remote monitor

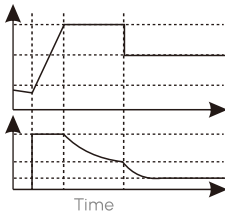
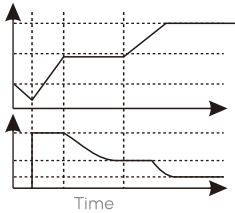


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Technical Specification

Model	N2400S		N3000S		N3300S	
Line Mode						
Input Voltage Waveform	Sinusoidal (utility or generator)					
Nominal Input Voltage	230Vac					
Low Loss Voltage	90Vac±7V(APL,GEN); 170Vac±7V(UPS);186Vac±7V(VDE)					
Low Loss Return Voltage	100Vac±7V(APL,GEN); 180Vac±7V(UPS);196Vac±7V(VDE)					
High Loss Voltage	280Vac±7V(APL, UPS,GEN);253Vac±7V(VDE)					
High Loss Return Voltage	270Vac±7V(APL,UPS,GEN);250Vac±7V(VDE)					
Max AC Input Voltage	300Vac					
Nominal Input Frequency	50Hz / 60Hz (Auto detection)					
Low Loss Frequency	40Hz±1Hz(APL,UPS,GEN)47.5Hz±0.5Hz(VDE)					
Low Loss Return Frequency	42Hz±1Hz(APL,UPS,GEN); 48Hz±0.5Hz(VDE)					
High Loss Frequency	65Hz±1Hz(APL,UPS,GEN); 51.5Hz±0.5Hz(VDE)					
High Loss Return Frequency	63Hz±1Hz(APL,UPS,GEN); 50.05Hz±0.5Hz(VDE)					
Output Short Circuit Protection	Line mode: Circuit Breaker;Battery mode: Electronic Circuits					
Efficiency (Line Mode)	>95% (Rated R load, battery full charged)					
Transfer Time	10ms typical (UPS,VDE);20ms typical (APL)					
Output power derating:When AC input voltage drops to170V depending on models, theoutput power will be derated						
Inverter Mode						
Rated Output Power	2400W/3000W/3300W					
Output Voltage Waveform	Pure Sine Wave					
Output Voltage Regulation	230Vac±5%					
Output Frequency	60Hz or 50Hz					
Peak Efficiency	91%					
Overload Protection	5s@> 150% load; 10s@110%~ 150% load					
Nominal DC Input Voltage	24Vdc					
Cold Start Voltage	23.0Vdc					
Low DC Warning Voltage	@load < 20%		22.0Vdc			
	@20%<load<50%		21.4Vdc			
	@load 250%		20.2Vdc			

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Low DC Warning Return Voltage	@load < 20%	23.0Vdc	
	@20%<load<50%	22.4Vdc	
	@load 250%	21.2Vdc	
Low DC Cut-off Voltage	@load < 20%	21.0Vdc	
	@20%<load<50%	20.4Vdc	
	@load 250%	19.2Vdc	
High DC Recovery Voltage	29Vdc		
High DC Cut-off Voltage	30Vdc		
Utility Charging Mode			
Charging Current Nominal Input Voltage	20/30A		
Floating charging voltage	AGM / Gel/LEAD/Battery	27.4Vdc	
	Flooded Battery	27.4Vdc	
Bulk charging voltage(C.V voltage)	AGM / Gel/LEAD/Battery	28.2Vdc	
	Flooded Battery	28.4Vdc	
AC Voltage range	(105V-265Vac)±3%/AC Frequency range(45-63)±0.5Hz		
Charging Algorithm	3-Step(Flooded Battery, AGM/Gel Battery), 4-Step(LI)		
Solar Charging Mode			
Charging Current	MPPT-60A		
System DC Voltage	24Vdc		
Operating Voltage Range	30-120Vdc		
Max.PV Array Open Circuit Voltage	145Vdc		
Standby Power Consumption	2W		
Battery Voltage Accuracy	+/-0.3%		
PV Voltage Accuracy	+/-2V		
Charging Algorithm	3-Step(Flooded Battery, AGM/Gel Battery),4-Step(LI)		
Charging algorithm for lead acid battery	Voltage 		
Charging algorithm for Lithium battery	Voltage 		

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Model	N2400S	N3000S	N3300S
Joint Utility and Solar Charging Mode			
Charger Model	MPPT-60A		
Max Charging Current	80A		
Default Charging Current	80A		
General Specification			
Safety Certification	CE		
Operating Temperature Range	-10℃ ~ 50℃		
Storage temperature	-15℃ ~ 60℃		
Dimension (D*W*H)	310.8 x 379.2 x 127.2mm		
Net Weight	7.2kg		