



Pure Sine Wave 4-IN-1 Hybrid Inverter

SN-H Series



SN-1000H
SN-1500H
SN-2000H



SN-2500H
SN-3000H



Features

- NEW** 4-IN-1 Hybrid Inverter with Advance Settings
 - ① Pure Sine Wave Inverter
 - ② Built-in ATS for Auto AC Bypassing (UPS Mode)
 - ③ Built-in Battery Charger with 3-Stage Charging
 - ④ Built-in Solar Charge Controller
- NEW** Smart Display & Quick Charge 3.0 USB
- Energy Saving Mode & Intelligent Fan Control
- Input & Output Fully Isolation
- Multi Pre-Alarm & Shutdown Alarm Protections:
Battery Type Detection / Polarity Reverse / Low Voltage
Short Circuit / Overheat / Overload
- 100% Made in Taiwan

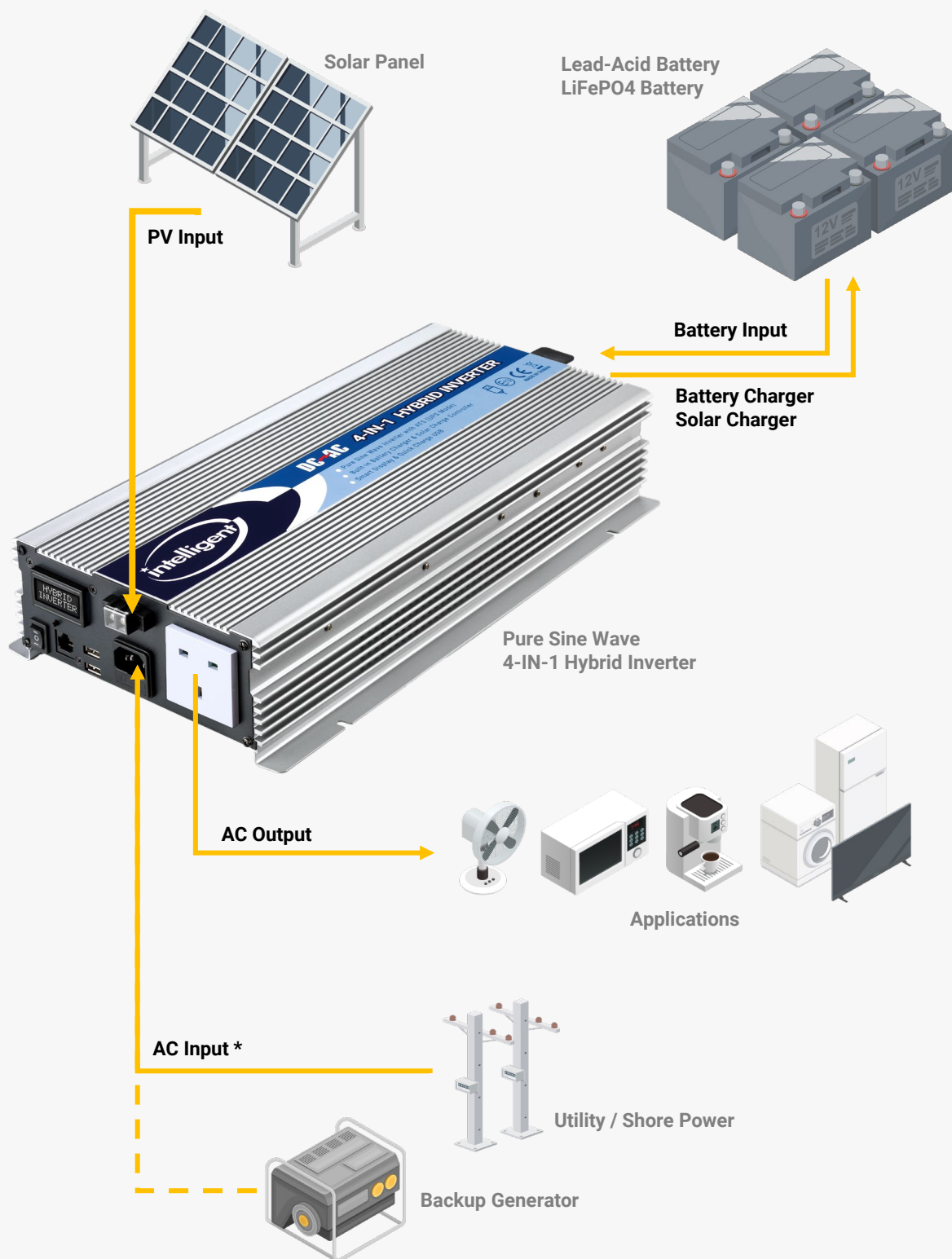
Model	SN-1000H		SN-1500H		SN-2000H		SN-2500H		SN-3000H	
System										
Continuous Power		1000W		1500W		2000W		2500W		3000W
Surge Power		2000W		3000W		4000W		5000W		6000W
Output Voltage		EU: 220/230/240 VAC (⚙️ BTN); USA: 110/120/127 VAC (⚙️ BTN); JP: 100 VAC								
Output Stats		Pure Sine Wave, 50/60 Hz (⚙️ BTN) (< ±5% Intelligent PWM)								
Total Harmonic Distortion		< 3%								
Output USB Port		Quick Charge 3.0 x 2 Ports								
Standby Current (Normal)	DC 12V	< 1.0A		< 1.2A		< 2.0A		< 2.5A		
	DC 24V/48V	< 0.8A		< 0.9A		< 1.3A		< 1.5A		
Standby Current (Saving)		< 0.15A								
Input Voltage		DC 12V: 10~15V; DC 24V: 20~30V; DC 48V: 40~60V								
Efficiency		> 85%								
Working Temperature		-20 ~ 40 °C (60 °C @40% load); Storage Temperature: -20 ~ 70 °C								
Protection										
Input Type Auto-Detection		Yes								
Input Polarity Reverse		Fuse								
Input High/Low Voltage		DC 12V: > 16V Auto-off & Alarm (± 0.5V), < 10.5V Pre-Alarm, < 10V Auto-off & Alarm (± 0.3V)								
		DC 24V: > 32V Auto-off & Alarm (± 1.0V), < 21.0V Pre-Alarm, < 20V Auto-off & Alarm (± 0.5V)								
		DC 48V: > 64V Auto-off & Alarm (± 2.0V), < 42.0V Pre-Alarm, < 40V Auto-off & Alarm (± 1.0V)								
Short Circuit		Yes								
RCD (GFCI)		Optional								
Overheat		> 90°C Pre-Alarm, > 95°C Auto-off & Alarm								
Overload		> 80% ~ 110% Pre-Alarm, > 90% ~ 120% Auto-off & Alarm								
Cooling		Intelligent Fan / Force Cooling (⚙️ BTN)								
Mechanical										
Fuse	DC 12V	25A x 6PCS		25A x 7PCS		30A x 8PCS		25A x 12PCS		25A x 14PCS
	DC 24V	15A x 6PCS		15A x 7PCS		15A x 8PCS		15A x 12PCS		15A x 14PCS
	DC 48V	15A x 3PCS		15A x 4PCS		15A x 4PCS		15A x 6PCS		15A x 7PCS
AC Outlets		EU: 1; USA: 1						EU: 2; USA: 2 (GFCI optional)		
Dimension (LxWxH) (mm)		430 x 227 x 88		430 x 227 x 88		525 x 227 x 88		430 x 200 x 157		525 x 200 x 157
Net Weight		5.2 kg		5.4 kg		7.8 kg		10.0 kg		11.0 kg
Display		8x2 LCD (8x2 OLED optional)								
RC Accessory		RC-S-SN, RC-M-BT, RC-P-INC								
Battery Charger										
Charge Current		DC12V: 20A, DC24V: 10A, DC48V: 5A								
Charge Stats		Bulk -> Absorption -> Float (3-Stage Charging)								
Power Auto-Switch		AC LINE -> INVERTER; INVERTER -> AC LINE								
Switching Time		AC LINE -> INVERTER: < 16ms; INVERTER -> AC LINE: < 20ms								
Solar Charger										
Charge Current / Stats		15A, PWM -> Float								
Max Solar Array Voc		15 ~ 50V								
Max Solar Array Current		15A								
Note (⚙️ BTN): Adjustable in display menu by Button										



Pure Sine Wave 4-IN-1 Hybrid Inverter

SN-H Series

■ Application

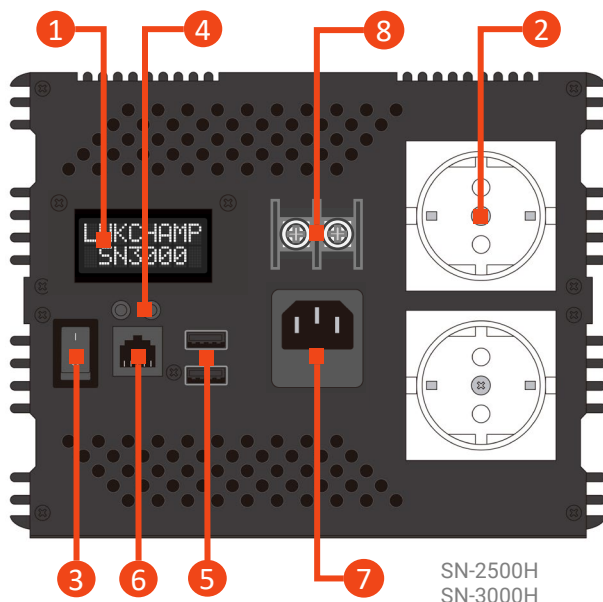
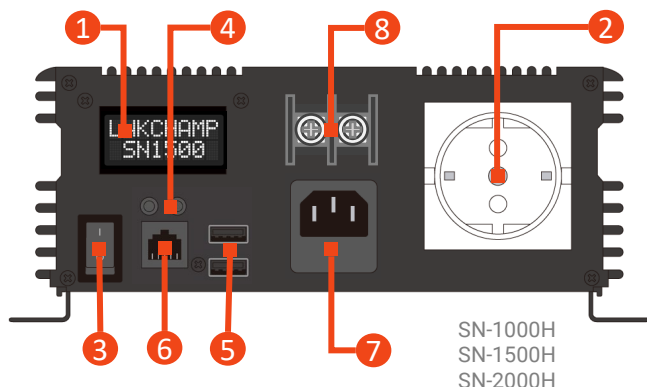


* UPS Mode: Priority Utility > Battery
ECO Mode: Priority Battery > Utility (Optional upon request)



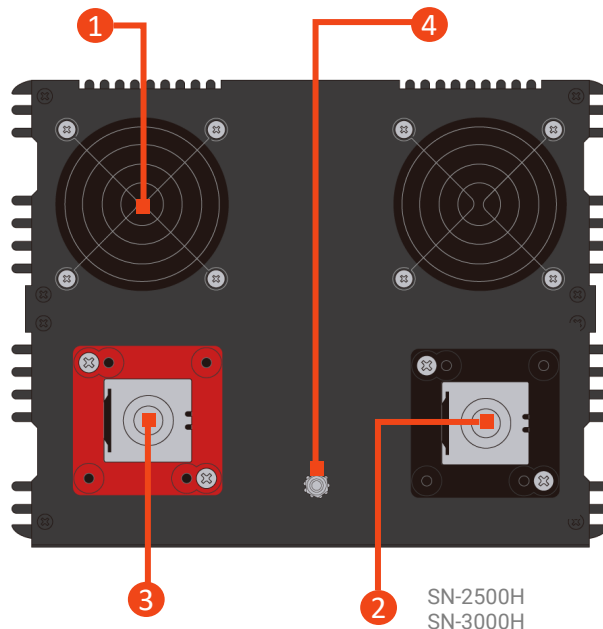
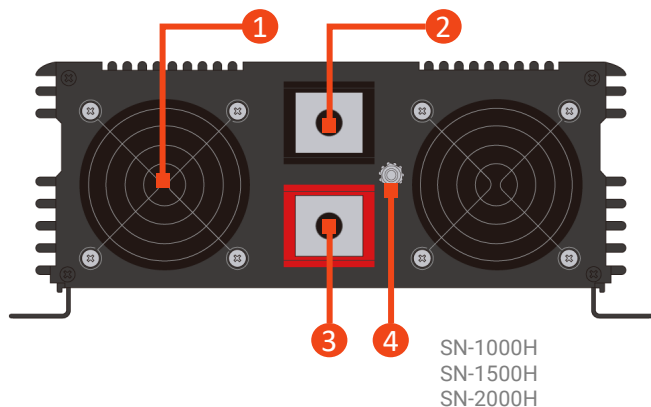
■ Front Panel

- ① 8x2 Display
- ② AC Output
- ③ Main Switch
- ④ Display Select Button
- ⑤ USB Port
- ⑥ Remote Port
- ⑦ AC Input (with Fuse)
- ⑧ Solar Input Terminal



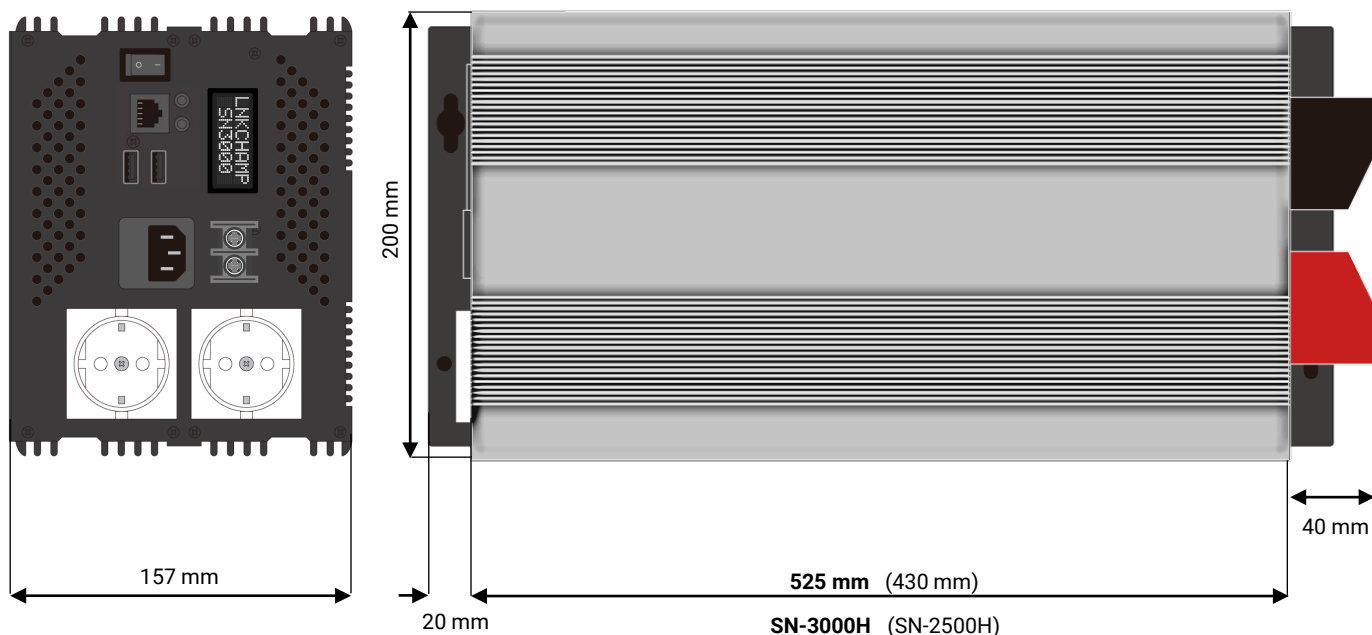
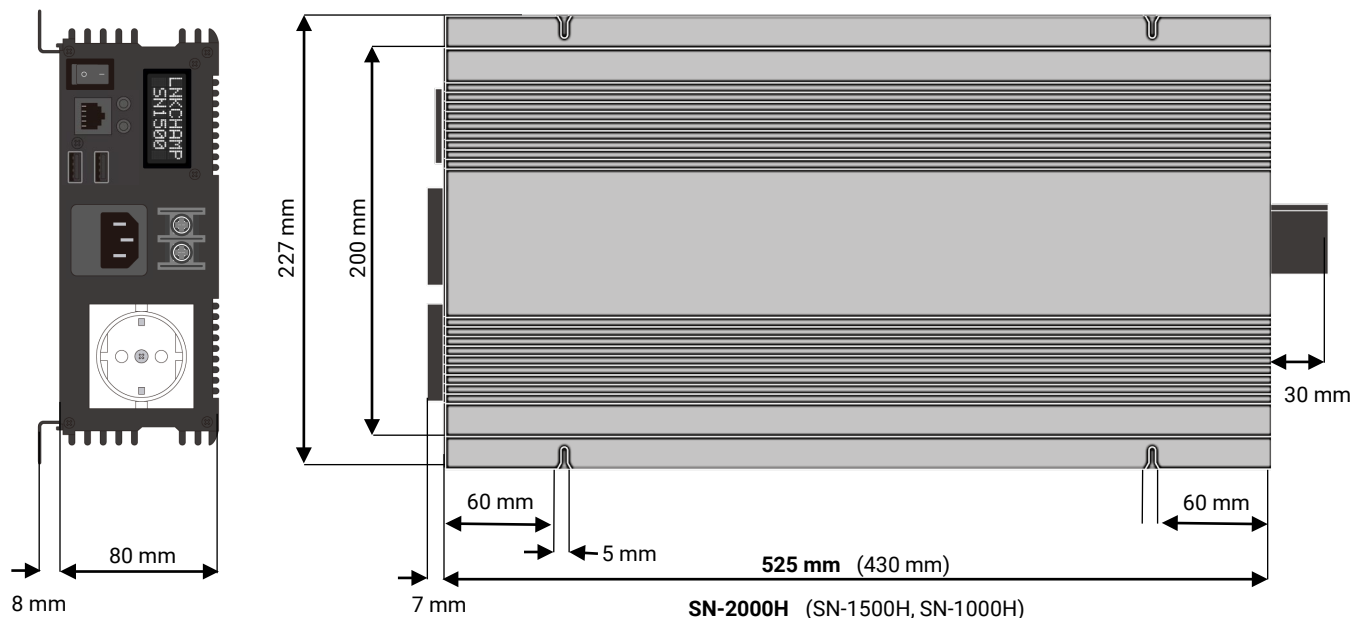
■ Rear Panel

- ① Fan
- ② Negative Terminal
- ③ Positive Terminal
- ④ Ground Terminal



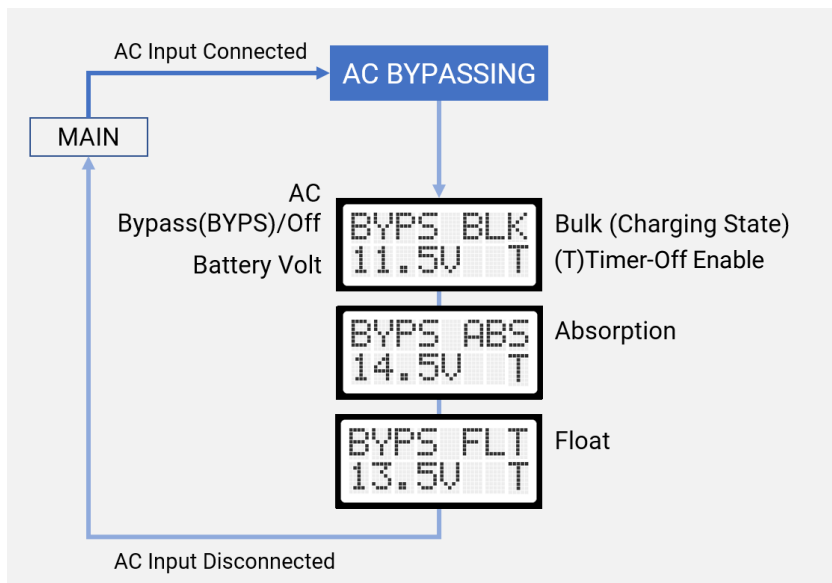
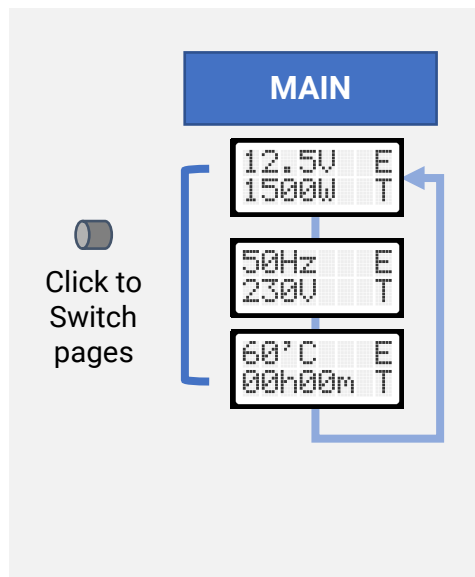


■ Mechanical Drawings





■ 8x2 Smart Display : Display Button



When encountering
Protection events

