

NSL Series Solar Power System

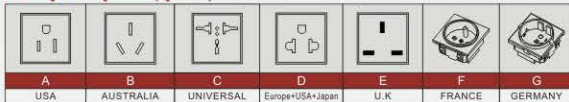
True Sine Wave Inverter with Inbuilt Solar Charge Controller



- ▶ DC output system with multiple interfaces can satisfy various demands. DC output interfaces are including 1pc 12VDC/3A and 1pc USB 5V 2.1A
- ▶ Charge circuit adopts double MOS tandem control circuit, reducing nearly half circuit voltage losses than diode circuit. PWM fuzzy control is applied in the charging, substantially increasing charge efficiency and using time.
- ▶ Standby function under lower power consumption: after the start up in three minutes, if no detection on the output load, the system will automatically switch into lower power consumption standby mode.
- ▶ Charging and discharge independently: discharging could happen when charging; both of them are not interfered.
- ▶ Charging display function: solar power light shall lit when solar panel start to charge for battery. There is one light indicates the normal working for Inverter. The Fault light shall lit when lower voltage, over voltage, over load and short circuit happens.
- ▶ All controls adopt industrial chip and precision components, which can work normally in cold, high temperature, moisture condition.
- ▶ LED digital display



AC Output Receptacles(optional)



SPECIFICATIONS

Model		NSL350		NSL550	
Inverter Part	Inverter Rated Power	400W		600W	
	Peak Power	800W(few seconds)		1200W(few seconds)	
	Output Voltage	110VAC or 220VAC			
	Output Frequency	50/60Hz±1Hz			
	No Load Current Draw	≤0.6A			
	Output Waveform	Pure sine wave THD≤5%			
	Input Voltage	12V	24V	12V	24V
	Replaceable Fuse	50A*1Pcs	25A*1Pcs	40A*2Pcs	20A*2Pcs
	Cooling Fan	by load control			
	Reverse Polarity Protect	By fuse			
	Protection Function	Bat.Low voltage alarm&shut down,over temperature,over voltage, short circuit,reverse polarity,overload.			
	Low Voltage Alarm	10.6V±0.5V	21.2V±1V	10.6V±0.5V	21.2V±1V
	Low Voltage Shut Down	10.0V±0.5V	20.0V±1V	10.0V±0.5V	20.0V±1V
	Over Voltage Shut Down	15.5V±0.5V	31.0V±1V	15.5V±0.5V	31.0V±1V
Over Temperature Protect	≥55℃				
Over Load Protect	90%~135%				
Charger Controller Part	Max.charge Current	20A			
	Float Charge Voltage	13.70V/27.40V			
	Constant Charge Voltage	14.4V/28.8V			
	Low Voltage Disconnection	11.0V/22.0V			
	Low Voltage Reconnect Voltage	12.8V/25.6V			
	Max.load Current	4.0A±1A			
	USB Port	5V 2.1A			
PV Reverse Polarity	yes				
Others	Dimension(l*w*h)	286*180*146mm			
	Unit Weight(kg)	2.69		2.81	