



Single Phase Transformer Inverter

- ❑ 48V battery support with multi-stage charging for extended life.
- ❑ Stable, pure sine wave output with voltage and frequency stabilization.
- ❑ Adjustable AC input current for various power needs.
- ❑ Mobile app monitoring of device parameters.
- ❑ Quiet operation for a comfortable environment.
- ❑ Comprehensive safety features, including N-G grounding.

ABOUT SRNE

- SRNE 15 years in PV industry, committed to independent R&D and production.
- Holds over 200 patents in energy storage, with unique industry-leading technologies.
- Chooses top-quality international components to deliver high-value products to customers.
- Upholds values of customer priority, proactivity, responsibility, and innovative breakthroughs.

Green Energy Changes the World

V1.0

MODEL		IPC48-6KW	
INVERTER MODE			
Rated Output Power		6,000W	
Max. Output Power		12,000VA	
Rated Output Voltage		220Vac/230Vac(Default)/240Vac (±2%)	
Wave Form		Pure Sine Wave	
Rated Output Frequency		50/60Hz (Default)	
Rated Output Efficiency		>89%	
Max. Output Efficiency		>95% (30% Load)	
ECO Mode Start Power		<30W (30~100W Optional)	
ECO Mode Switch Slot		1min (30s~30min Optional)	
UPS Mode Switch Slot		<10ms	
AC OUT1 Output Current		50A	
AC OUT2 Output Current(Bypass with load only)		32A	
CHARGE MODE			
AC Input Voltage		Single-Phase: 180~265Vac	
AC Input Frequency		45~65Hz	
AC Input Rated Current		70A	
Full cut-off current		Default 1A,0~12A adjustable	
BATTERY			
Rated Battery Voltage		48V	
Battery Type		USE/FLD/GEL/LI/SLD(Default)	
BASIC PARAMETER			
Demension	551*280*157mm	Humidity	<95%
Weight	30.5kg	Cooling Method	Natural Cooling + Fan
IP Grade	IP20	Warranty	2 Years
Environment Temperature	-20~60℃,>45℃ Derate	Communication	RS485/CAN/TTL/Bluetooth
External Module (Optional)	Wi-Fi/GPRS	Topology	Transformer
Protection Function	Battery over-voltage/under-voltage protection、AC output over-load/short-circuit protection、AC input over-voltage/under-voltage protection、over-temperature protection、Fan lock protection		
Function	N-G bonding、Remote ON/OFF、Programmable Relay Output、Voltage-drop compensation、Lead-Acid Battery Charging Temperature Compensation		

