

Jasco Power Solutions

Backup Power Load Shedding Solution 900W SCC Inverter including Mains and Solar Input



Introduction

The Jasco Power SCC Inverter is an Off-grid solar and mains rechargeable inverter power supply. The inverter is supplied as a complete portable backup plug and play power solution, ideally suited for household or small commercial applications.



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Home Inverter package includes:

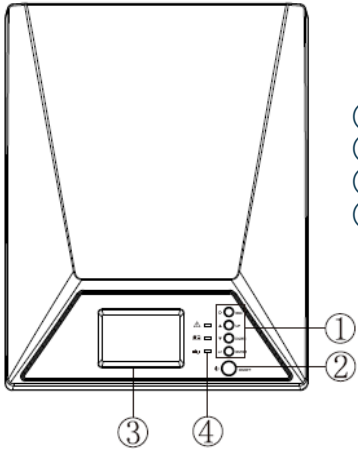
- Jasco 900W SCC Inverter
- Inverter box – 1.2mm mild steel powder coated and smooth black – easy carry handles
- Ritar 100Ah, 12V Deep Cycle Battery
- High quality chrome wheels for easy movement
- 20A DC Circuit breaker



Key features:

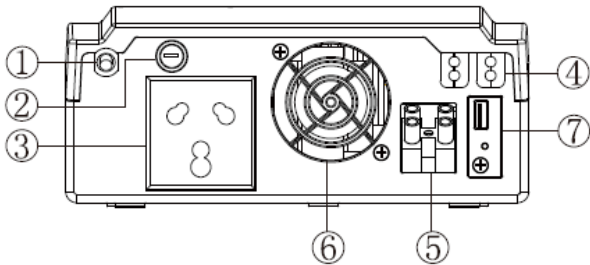
- Intelligent CPU control for improved Reliability
- Full protection (Inverter overload and short circuit protection, battery over discharge protection, battery reverse protection, over temperature)
- Full display information (working mode, charge condition, battery condition)
- Solar and Mains Input

Physical connections

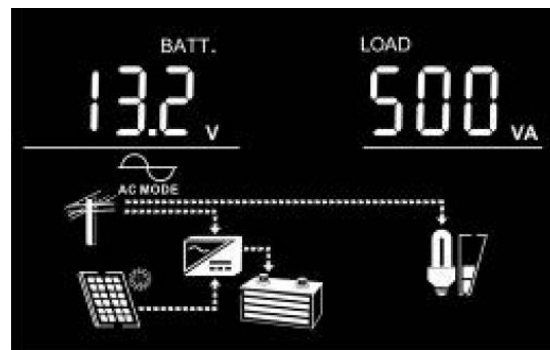


- ① Setting Function button
- ② Power ON/OFF button
- ③ LCD Display
- ④ LED Indicator

- ① AC Input
- ② AC Circuit Fuse
- ③ AC Output
- ④ Battery Input
- ⑤ PV Input Terminal
- ⑥ Cooling Fan
- ⑦ USB Charger



LCD Display information



Specifications:

Rated Power Capacity (VA/W)		1000VA/900W
Nominal battery Voltage		12Vdc
Line Mode		
Input	Nominal Voltage	230Vac
	Voltage Range	170~280 Vac (narrow range)
		90~280Vac (wide range)
Frequency	50Hz	
Output	Voltage	230Vac
Transfer Time		20ms Typical
Backup Mode		
Output	Voltage	230Vac (+/-10%)
	Frequency	50Hz
	Waveform	Modified Sine Wave
Solar Input		
Max. Input Power		600W
Rated Charge Current (PWM)		50A
Input Voltage Range		15V~18V
Optimal Voltage (Vmp)		15V
Max. PV Input Voltage (Voc)		40V
Max. PV Input Current		50A

Key Factors, that define a good inverter and differentiate our product from competitors:

- Set cut-off voltage of battery – increase battery life (for Deep Cycle typically set at 50% discharge)
- 10A/20A Charger size – extend runtime, charge battery faster between power outages
- Set windows of AC input voltage – less switching to battery when grid supply is lower than normal
- Priority supply to load – option to set Solar over Mains supply – greater savings