

Solar Jack Series

100V/120V Off-Grid Solar Power

Daytime power for appliances and
backup for power outages

Illustration: Self-boxed Jack Jr.

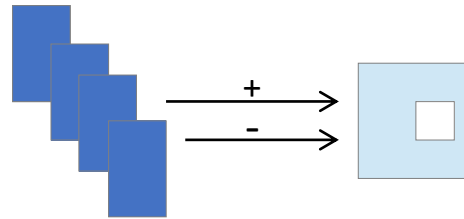


MAIN FEATURES

- Simply connect solar panels at or above desired use voltage
- Provides regulated power output to connected appliances
- Power conditioner >99% efficient
- Add more panels in parallel to overcome effects of rain/shading
- Unlimited parallel operation
- Maximum output load 1kw
- Can plug in a battery charger to charge batteries in daytime
- Can add battery plus battery charger for night-time operation
- Simple two wire installation
- Not requires any software/cellphone for maximum freedom and usability

USABLE APPLIANCES

- Heating elements
- Chargers / adapters
- power tools (saws/drills etc.)



Two wire connection

Available as:

- Soldered board
- kit form (PCB + parts)
- PCB only

Basic Unit

Jack Jr.

STANDARD RATING

Continuous Output	1000W
System DC Volt	~110-130V
Output Voltage	110 / 120V
Maximum Parallel panels	No limit

INPUT

Required Voltage	~110-130V DC (open circuit Voc)
Voltage Source	DC (Solar, Battery, rectified AC etc.)
Maximum Panels	No limit
PV Input Connections	Parallel
Minimum PV panels	4 panels in series

OUTPUT

Output Waveform	Pulsing DC
Efficiency	>99%
Number/size of loads	Limited by power rating / heat sink

OPTIONS Available separately

Multi-power source adapters	Increase power intake to up to 3 sources
Utility Backup Connection	Use your utility as a backup
Power Metering	Analog Amp meter, Voltmeter

ENVIRONMENTAL / MECHANICAL SPECIFICATIONS

Operating Temperature	-10 to 50°C
Operating Humidity	0 - 90% Relative Humidity
Measurements	110*110*70mm
Net Weight	1Kg

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