

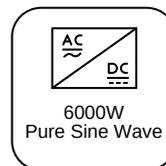


# LW6K2-48-Pro

## Solar MPPT Hybrid Inverter



Built-in PV Combiner Box



6000W  
Pure Sine Wave



No Battery  
Operation



120A MPPT  
Charging



LCD  
Display



WIFI  
Communication



Built-in USP  
Function

# TECHNICAL INFORMATION

## Built-in PV Combiner Box Function

- All-in-One Solar Integration – Save Time & Money**

Built-in PV combiner box eliminates complex wiring, cutting installation steps by 50% and reducing system costs by 30% for instant energy independence.

- Military-Grade Safety Shield**

Triple-layer protection with 63A voltage/current guardians + 40kA surge defense (AC/DC) – sleeps soundly during storms or grid chaos.

- Smart Power Fortress**

Industrial-strength circuit breakers (150A battery/63A AC/25A PV) auto-detect threats, stopping disasters before they start.

## Built-in PV Combiner Box Parameters

Undervoltage Protector	63A
Surge Protector	40KA
AC Breaker (AC Input)	63A
AC Breaker (AC Output)	63A
Battery Breaker	150A
PV Breaker	25A
PV DC Surge Protector	20-40KA

## Technical Information

Model	LW6K-48 Pro
Rated Power	6000W/6000VA
Peak Power	Bypass 9600VA
AC Input Voltage	220Vac, 50/60Hz+0.1%
AC Output Voltage	208Vac/220Vac/230Vac/240Vac+5%
Peak Efficiency (Battery Mode)	94%@48VDC
Rated Battery Voltage	48VDC / 51.2VDC
PV Max Input Current	27A
PV Max Input Power	9000W
PV Input Voltage Range	120-500VDC
MPPT Tracking Range	60-450VDC
Max AC Charging Current	120A
Max PV Charging Current	120A
MPPT Tracking Efficiency	99.5% Max
WIFI Communication	Supported
Battery Communication	Supported
Package Size	614*442*212 mm
Product Gross Weight	13.6 KG
20'GP Loading Quantity	535 Pcs
40'HQ Loading Quantity	1244 Pcs