

WVLVS-Off-Grid-Inverter-6KW



6kW



500V



230V



48V



IP54

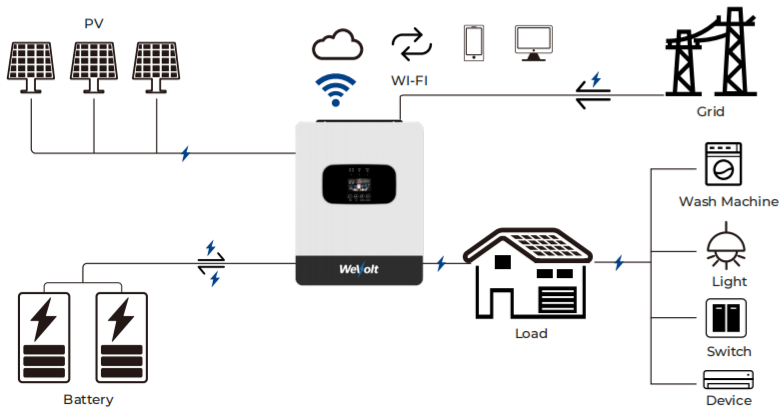


IP54 Design
Pure Sine Wave
Wide MPPT Operating Range
Built-In BMS Communication
Max. 12 Units Parallel
5 Years Warranty

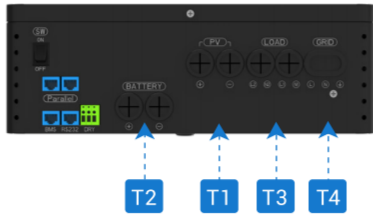


EN 62109-1 EN62109-2 IEC 61000

HOUSE ENERGY SYSTEM(OFF GRID)



CONNECTOR



T1: PV T3: AC LOAD
T2: BAT+&BAT- T4: AC GRID

OFF GRID INVERTER

GPEO-6KL1	
PV(DC Input)	
Recommended max. PV input power	8000W
Max.input voltage(Voc)	500V
MPPT operating voltage range	85V-450V (@85V start up)
Number of MPPT	1
Max. number of input strings per MPPT	2
Max. input current per MPPT	27A
Max. short-circuit current per MPPT	35A
Grid(AC Input)	
Max input power	11500W
Max input current	50A
Rated grid voltage	220/230/240Vac
Rated grid frequency	50/60Hz
Acceptable range	170-280Vac(For UPS); 90-280Vac(For Home Appliances)
Battery parameters (Bidirection)	
Battery type	LiFePO4 /Lead-acid
Battery voltage range	40~60Vdc
Rated Battery Voltage	48Vdc
Max. charge/discharge current	120A/130A
BMS communication mode	RS485
Back-up Output (AC Output)	
Rated output power	6000W/6000VA (Twin output)
Rated output current	27.3A
Rated output voltage/Frequency	220/230/240Vac 50/60Hz
Parallel Capacity	Single-phase Max. 12 units; Three-phase Max. 12 units
Surge power	12000VA 5s
THDv (@ linear load)	<3%
Switching time	10ms typical (For UPS) 20ms typical (For Home Appliances)
Efficiency	
Peak efficiency	98%
Max. MPPT efficiency	99.9%
Protection	
Inner protection	√Output short-circuit protection √Output overvoltage protection
Surge protection	PV: Type III, AC: Type III
IP rating	IP54
General Parameters	
Operating temperature range	-10°C~ 55°C
Relative humidity range	5%~95%
Max. operating altitude	>2000m derating
Standby self-consumption	<10W
Installation type	Wall-mounted
Cooling mode	Fan cooling
Communication	RS232/RS485/Dry contact/WI-FI
Display	LCD
Mechanical Specifications	
Inverter dimensions (L*W*H)	445*347*120mm
Net weight	12.4kg
Carton dimensions (L*W*H)	560*465*240mm
Gross weight	14.6kg
Warranty Period	5 Years