



ALL-IN-ONE ENERGY STORAGE SOLAR SYSTEM

All in One Energy Storage System with Top-class Battery solutions, Power for your home.
Modular design with wheels, Single person can carry and install it, 10 min quick installation



Less Waste, Max Storage

Harness more of the sun's power—this energy storage system increases the self-consumption rate up to 90%, lowering your electricity bill and your carbon



Safe and Powerful Technology

LFP (LiFePO4) batteries are safer, and an electrical isolation design protects against accidental short circuits



Power for Your Home

This battery storage system stores energy, detects outages and automatically becomes your home's energy source when the grid fails. Unlike a generator, it keeps your lights on and your phone charged without maintenance, fuel or noise. Pair with solar and charge with sunlight to keep your appliances running for days.

Product Specifications

Model	MZ-IVP3600-3072	MZ-IVP3600-5120	MZ-IVP5600-5120
Battery data			
Battery type	LiFePO4		
Battery nominal voltage (Vdc)	51.2		
Battery capacity (WH)	3072	5120	5120
Max. charging current/output current (A)	60	60	100
Rated charging power/Rated discharge power (W)	3600	3600	5000
Charging temperature(°C)	0~55		
Discharging temperature(°C)	-20~55		
Output			
USBA*4	MAX18W*4		
TYPE-C*2	MAX100W*2		
5525DC power socket * 2	12V2A*2		
AC socket * 4	2000W*4		
Total power of AC socket	3600	3600	5600
Input Data (PV)			
Max. input Power (W)	4500	4500	6000
Max. input voltage (Vdc)	500		
MPPT Operating Voltage Range(Vdc)	120-450		
Start voltage (Vdc)	120		
Single MPPT input current (A)	15	15	20
Max. input current of single MPPT (A)	17	17	22
Number of MTPPs	1		
Number of Strings Per MTPPs	2		
AC Output (Grid connected)			
Grid connected output nominal power (VA)	3000	3000	5000
Max. power output/input for grid connection (VA)	3600	3600	5600
Rated output voltage (Vac)	230		
Output voltage range (Vac)	180-270		
Rated operating frequency (Hz)	50/60(±0.2%)		
Max. output/input current for grid connection (A)	15	15	24
Conversion time (ms)	10		
Power factor	0.8 lead... 0.8 lag		
THD	<3%		
AC output (Off grid)			
Off grid output nominal power (VA)	3000	3000	5000
Max. output power of off grid (VA)	3600	3600	5600
Max. off-grid output current (A)	15	15	24
Rated output voltage (Vac)	230(±2%)		
Output voltage range (Vac)	180-270		
Rated operating frequency (Hz)	50/60(±0.2%)		
THD	<3%		
Efficiency			
Max. Efficiency	>95%		
Max. DC-AC transformation efficiency	>92%		
MPPT Efficiency	99.9%		
General Data			
Operating Temperature (°C)	-15-55		
Relative Humidity	5%-95%		
Nosie (Normal)	< 60dB		
Communication	Wi-Fi / GPRS		
Cooling Method	FAN Cooling		
Product Size (LxWxH) (mm)	450X290X520	520X320X550	520X320X550
Packing Size (LxWxH) (mm)	550X390X620	620X420X650	620X420X650
Net Weight (kg)	45	60	62
Gross Weight (kg)	55	70	72