

MEZIC

# Residential ESS

## All In One Energy Storage System

- Fashion design
- Pure sine wave output
- Touch button design



### HIGH YIELD

- Max. efficiency 95%
- Multiple communication methods



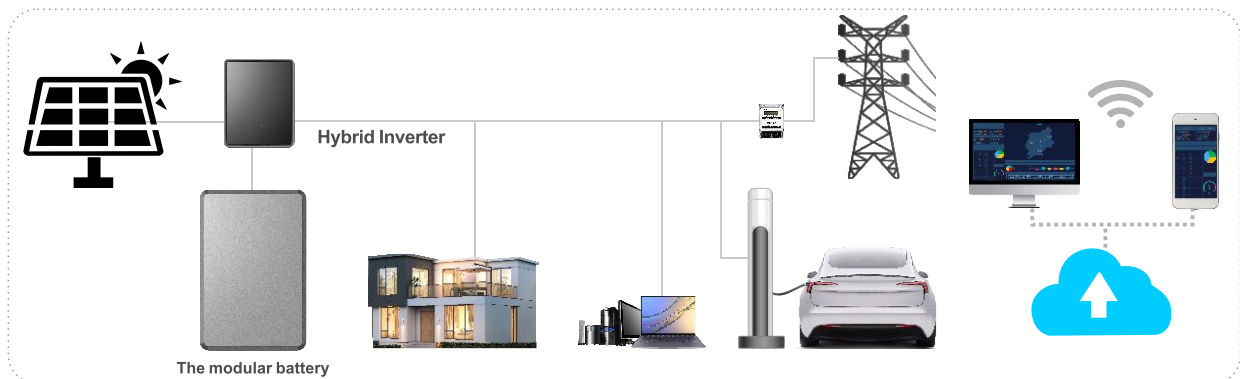
### Flexibility and Scalability

- Battery power, mains power or solar power can be set as priority.
- Low voltage and high voltage



### Steady and Convenience

- Pure Sine Wave
- Solar power and utility power dually charge



## Product Specifications

Model	MZ-LIBP5120-16S1P
<b>Battery data</b>	
Battery type	LiFePO4
Battery nominal voltage (Vdc)	51.2
Battery capacity (WH)	5120
Max. charging current/output current (A)	100
Rated charging power/Rated discharge power (W)	5000
Charging temperature (°C)	0~45
Discharging temperature (°C)	-20~55
Battery pack expansion	Parallel machine 1 to 12 channels
<b>Input Data (PV)</b>	
Max. input Power (W)	6000
Max. input voltage (Vdc)	500
MPPT Operating Voltage Range (Vdc)	120-450
Start voltage (Vdc)	120
Single MPPT input current (A)	20
Max. input current of single MPPT (A)	22
Number of MTPPs	1
Number of Strings Per MTPPs	2
<b>AC Output (Grid connected)</b>	
Grid connected output nominal power (VA)	5600
Max. power output/input for grid connection (VA)	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)	24
Conversion time (ms)	10
Power factor	0.8 lead... 0.8 lag
THD	<3%
<b>AC output (Off grid)</b>	
Off grid output nominal power (VA)	5600
Max. output power of off grid (VA)	5600
Max. off-grid output current (A)	24
Rated output voltage (Vac)	230(±2%)
Output voltage range (Vac)	180-270
Rated operating frequency (Hz)	50/60(±0.2%)
THD	<3%
<b>Efficiency</b>	
Max. Efficiency	>95%
Max. DC-AC transformation efficiency	>92%
MPPT Efficiency	99.9%
<b>General Data</b>	
Operating Temperature (°C)	-15-55
Relative Humidity	5%-95%
Nosie (Normal)	< 60dB
Communication	Wi-Fi / GPRS
Cooling Method	FAN Cooling
Product Size (LxWxH) (mm)	600X398X160
Net Weight (kg)	15
Gross Weight (kg)	20