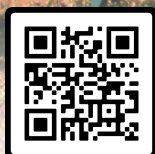


Power your world with **MidTeQ**

Unmatched Energy Storage for Commercial & Industrial Applications



SCAN ME

The Smart Power Solution for Your Business!

Magic - ZBox100-HS

Magic - ZBox 200

Magic - ZBbox200-MF



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The Smart Power Solution for Your Business!

Magic - ZBox100-HS	100 kWh Capacity	50 kW Power	24/7 Monitoring and control
Magic - ZBox 200	215 kWh Capacity	100 kW Power	24/7 Monitoring and control
Magic - ZBbox200-MF	215 - 2150 kWh Capacity	60 - 600 kW Power	24/7 Monitoring and control

Technological Highlights

- **Designed for Outdoor Use** – Built to withstand the toughest conditions.
- **Hassle-Free Maintenance** – Modular design for quick and easy servicing.
- **Maximum Efficiency** – Intelligent BMS dynamically balances modules, minimizing inconsistencies.
- **Integrated Fire Protection** – Advanced safety with a built-in smoke sensor.
- **Plug & Play Installation** – Fast setup and easy handling for maximum convenience.
- **Scalable & Future-Proof** – Expand flexibly with up to 10 parallel connections, reaching a capacity of 2150 kWh.
- Magic-ZBox100-HS / Magic-ZBbox200-MF: **Hybrid Inverter Compatibility** – Fully configurable for various application scenarios, ensuring seamless integration.
- Magic - ZBbox200-MF: **Hybrid inverter/PCS** - can be configured for different different application scenarios



	Magic - ZBox100-HS
Battery Side	
Cell Type	LFP
Battery Module Nominal Voltage (V)	51.2
Battery Module Energy (kWh)	5.12
Rated Voltage (V)	512
Voltage range	448-576
Battery Capacity(BOL) (kWh)	102.4
AC On-grid Parameter	
Rated Charge/Discharge Power (kW)	50
Rated Grid Voltage (V)	AC380~400
Applicable Grid Frequency (Hz)	50/60
Output Current (A)	83
THDi	<3%
AC Off-grid Parameter	
Rated Charge/Discharge Power (kW)	50
Rated Grid Voltage (V)	AC380~400
Rated Frequency (Hz)	50/60
THDu	<3%
Photovoltaic Input	
Max Input Power	75kW 【Max 4 MPPT modules】
MPPT Voltage Range (V)	200~850
General Parameter	
Max Efficiency	98.80%
Max. charging/discharging rate	1C/0.5P
Operating Humidity	0%-95%R.H
Anticorrosion Grade	StandardC4
Dimension (W*D*H) (mm)	1560*900*2060
Operating Temperature Range	-20~50°C
Cooling Method	HVAC
Firefighting System	Integrated
Total Weight (kg)	1220
Communication Port	CAN, RS485, ETH
IP Rating	Battery Cabinet: IP55 Hybrid converter: IP65
Compliance	
Battery	IEC62619, CE, EMC, UN38.3, UN3480
Hybrid inverter	EN 61000, IEC 62109, IEC 62477

Model	Magic - ZBox 200
Battery Parameter	
Cell Type	LFP
Battery Module Nominal Voltage (V)	51.2
Battery Module Energy (kWh)	14.336
Rated Capacity (Ah)	280
Rated Voltage (V)	768
Voltage Range (V)	720-840
Battery Capacity(BOL) (kWh)	215.04
Recommend Charge/Discharge Current (A)	140/140
Max. Charge/Discharge Current (A)	140/200
General Parameter	
Dimension (W*D*H) (mm)	1050*1310*2340
IP Rating	IP55
Anticorrosion Grade	StandardC4
Total Weight (kg)	Max.2150
Cooling Mode	HVAC
Fire Fighting	Integrated
Operating Temperature	-20~50°C
Operating Humidity	0%-95%R.H
Communication Port	CAN, RS485, ETH
Parrallel	Max. 10 cabinets
Compliance	
Safety & Certification	IEC62619, CE, EMC, UN38.3, UN3480

Model	Magic-ZBox200-MF				
	50P (1)	100P (2)	150P (2)	250P (3)	500P (3)
AC Parameter					
Rated Power (kVA)	50	100	150	250	500
Rated Voltage (V)	400				
Voltage Range (V)	320-460				
Rated Current(A)	72	144	216	361	722
Rated Frequency (Hz)	50/60				
Over Power	110% long time; 120% 1min				
PV Parameter					
Rated MPPT Quantity	1	2	3	5	10
Rated MPPT Module Power (kW)	50				
Max. Output Power (kW)	60	120	180	300	600
MPPT Voltage Range	250-850V				
MPPT voltage Range @ full load (V)	450-850				
Battery Parameter					
Cell Type (Ah)	LFP 280				
Rated Voltage (V)	768				
Voltage Range (V)	672-850				
Rated Energy (kWh)	215	215-430	215-645	430-1075	860-2150
General					
Max System Efficiency	≥ 90%				
IP Rating	Battery Cabinet: • IP55 Hybrid Inverter: IP54				
Anticorrosion Grade	StandardC4				
Cooling Method	Battery: HVAC Hybrid Inverter: Forced air Cooling				
Operating Temperature Range	-20-50°C				
Operating Humidity	0%-95%				
Elevation (m)	<2000				
Firefighting System	Integrated				
Communication Port	CAN, RS485, ETH				

- Note:**
- 【1】 ZBox200 -MF-50P is all-in-one cabinet, 2150*1320*2340mm, IP55;
 - 【2】 ZBox200 -MF-100P/150P are separate cabinets, inverter cabinet 1600*1430*2340mm,IP54; battery cabinet 1050*1100*2340mm, IP55;
 - 【3】 ZBox200-MF-250P/500P are separate cabinets, inverter cabinet 1600*1430*2340mm,IP54; MPPT cabinet 800*1100*2340mm, IP54; battery cabinet 1050*1100*2340mm, IP55.

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