

LITHIUM IRON PHOSPHATE (LIFEPO4) BATTERY

MAGiC Series

2.56~30.72KWH | WIFI | Bluetooth



High energy capacity

Scalable from 2.56kWh to 30.72kWh for diverse needs

Ultimate Installation Flexibility

Wall, stack, rack, or wheeled floor—fit your space, your way

High power, stable performance

Consistent energyoutput for residential and industrial systems

Modular & expandable

Connect up to 40 units inparallel with ease

Smart connectivity

Built-in WiFi/Bluetooth forreal-time remote monitoring

Seamless integration

Supports CAN & RS485communication with major inverters



MAGiC

MAIN PARAMETER

Technical Data		MAGiC 24100	MAGiC 24200	MAGiC 48100	MAGiC 48200	MAGiC 48300
Nominal Voltage		25.6V		51.2V		
Nominal Capacity		100Ah	200Ah	100Ah	200Ah	300Ah
Nominal energy		2560Wh	5120Wh	5120Wh	10240Wh	15360Wh
Max. output power		2.5KW	3.5KW	5KW	7.5KW	10KW
Life Cycles		≥6000(25°C+2°C,80%DOD,70%EOL)				
Recommended Charge Voltage		29.2V		58.4V		
Recommended Charge Current		20A	40A	20A	40A	60A
End Of Discharge Voltage		22V		44V		
Standard Method	Charge	20A	40A	20A	40A	60A
	Discharge	50A	100A	50A	100A	150A
Maximum Continuous Current	Charge	100A	150A	100A	150A	200A
	Discharge	100A	150A	100A	150A	200A
BMS Cut-Off Voltage	Charge	29.2V (3.65V/Cell)		58.4V (3.65V/Cell)		
	Discharge	22.0V (2s) (2.75V/Cell)		44.0V (2.75V/Cell)		
Temperature	Charge	0~55°C				
	Discharge	-20~60°C				
Storage Temperature		-5~35°C				
Shipment Voltage		≥25.6V		≥51.2V		
Safety Function		Over-charge, Over-discharge, Over-current, Low/High-temperature, Short-circuit Protections				
Module Parallel		Up to 40 units				

OTHER PARAMETER

Technical Data		MAGiC 24100	MAGiC 24200	MAGiC 48100	MAGiC 48200	MAGiC 48300
Communication		CAN2.0/RS232/RS485				
IP Protection level		IP21				
Case Material		SPCC				
Installation Mode		Wall-mounted, Stacked-mounted, Rack-mounted(optional)				Vertical-mounted
Machine Dimension (W*H*D) (mm)		442*485.5*177	442*486.5*250	442*625.5*177	442*686.5*250	490*923*265
Package Dimension (W*H*D) (mm)	carton box	547*227*557	547*300*557	557*227*688	560*305*750	/
	wooden box	/	/	/	569*405*759	1000*565*450
N.W (kg)		27	45	45	81	117
G.W (kg)	carton box	29	49	79	86	/
	wooden box	/	/	/	97	137

* Variations in dimensions and weights may occur due to production batches.

Operating altitude	≤4000m
Charge Retention And Capacity Recovery Capability	Standard charge the battery, and then put aside at room temperature for 28d or 55°C for 7d, Charge retention rate≥90%, Recovery rate of charge≥90%
Warranty	5 years
Certification & Standards	CE-EMC (EN 61000-6-3: 2007+A1: 2011+AC: 2012 EN IEC 61000-6-1: 2019) IEC62619-1:2018; IEC62619:2022; IEC62619:2017; UN38.3/ MSDS

*The technical specifications of this document are subject to change without any notice