



All in one Battery System



BE-AO-MB51300-AC380V-10KW-EU

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Features

Long life and safety

Vertical industry integration ensures more than 6000 cycles with 80% DOD.

Easy to install and use

Integrated inverter design, easy to use and quick to install. Small size, minimizing installation time and cost. Compact and stylish design suitable for your sweet home environment.

Fast and flexible charging

The inverter has a variety of working modes, whether it is used for main power supply in the area without electricity or backup power supply in the area with unstable power to deal with sudden power failure, the system can respond flexibly.

Multiple working modes

A variety of charging methods, which can be charged with photovoltaic or commercial power, or both at the same time.

Scalability

Supports 2 output modes of 220V or 380V to meet different needs of users, it also supports maximum 6 units in parallel connection.

Parameters

	BE-AO-MB51300-AC380V-10KW-EU	BE-AO-MB51400-AC380V-10KW-EU
BATTERY TECHNICAL SPECIFICATION		
Battery model	BE-MB51300-200A-HWB	BE-MB51400-200A-HWB
Number of batteries	1	1
Battery Energy	15360Wh	20480wh
Battery Capacity	300Ah	400Ah
BatteryType	LiFePO4	
Battery Rated Voltage	51.2V	
Battery Working Voltage Range	44.8~57.6V	
Maximum Charging Current	200A	
Maximum Discharging Current	200A	
DOD Designed Life-span	80%	
	>6000 Cycles @ 0.2c/25°C charging/Discharging at 80%DoD,Until 80% capacity.	
INVERTER TECHNICAL SPECIFICATION		
INVERTER TECHNICAL	ASF48100SH3	
PV CHARGE		
Solar Charge Type/Number of MPPT	MPPT/2	
Maximum Input Power	7500W/7500W	
Maximum PV Charging Current	22/22A	
Maximum PV Operating Voltage	800Vdc/800Vdc	
MPPT Voltage Range	200-650Vdc/200-650Vdc	
AC CHARGE		
Input Voltage Range	Phase voltage 170~280V, line voltage 305~485V	
Input frequency range	50/60H	
Bypass Overload phase Current	29A	
ACOUTPUT		
Rated Output Power	10000W	
Frequency	50Hz+0.3Hz/60Hz+0.3Hz	
switching time	10ms (Typical value)	
EFFICIENCY		
MPPT tracking efficiency	99.9%	
Maximum efficiency of battery	≥92%	
European efficiency	97.5%	
GENERAL DATA		
Communication	RS485/CAN/WIFI	
Storage time/temperature	6 months @25°C;3 months @35°C;1 months @45°C;	
Charging temperature range	0~45°C	
Discharging temperature range	-10~45°C	
Operation Humidity	5% ~ 85%	
Nominal Operation Altitude	<2000m	
Cooling Mode	Force-Air Cooling	
Ingress Protection Rating	IP20	
Recommended Operation	Indoor	

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