

BT5000A

AC BATTERY



Product advantages

- Lightweight and integrated design, saving time and costs.
- Electrical isolation design, worry-free safety.
- AC-coupled design for easy integration with existing solar systems.
- Supports mixed use of new and old batteries, expandable up to 6 units in parallel.



Model	BT5000A
AC Output(On Grid)	
Rated Power	2500W
Rated Apparent Power	2750VA
Rated Current	11.4/10.9/10.4A
Max. Current	12.5/12/11.5A
Rated AC Voltage	220/230/240V
Grid Voltage Range	176-276V
Rated Grid Frequency	50/60Hz
Grid Frequency Range	45-66Hz
THDI	<3%
PF	0.8 leading-0.8 lagging
AC Output(Off Grid)	
Rated Power	2500W
Peak output Power	3500W,10s
Rated Current	11.4/10.9/10.4A
Rated Voltage	220/230/240V
Rated Frequency	50/60Hz
THDV	<3%
Battery Side	
Battery Type ^[1]	LFP
Rated Voltage	51.2V
Battery total Energy ^[2]	5.12kWh
Usable capacity ^[3]	4.6kWh
General Datas	
Operating temperature range ^[4]	Discharge: -10~+50℃, Charge: 0~+50℃
Relative humidity range	5%-95% (non-condensing)
Max. operating altitude ^[5]	≤4000m
Degree of protection	IP66
Display	LCD
Cooling	Natural Cooling
Communication	RS485, Optional: Wi-Fi, 4G, Ethernet
SPD	II
Dimensions (W*H*D)	400*800*175mm
Weight (kg)	50kg
Installation method	Wall Mounted OR Floor Mounted
Standard	IEC62109, IEC62477, IEC62619, IEC 61000, UN38.3, VDE 4105, EN50549-1

[1] Rechargeable li-ion battery system.

[2] Test conditions: 0.2C charging/discharging at 25℃, 100%DOD.

[3] Usable energy is based on battery cell only.

[4] Refer to the temperature derating curve.

[5] If the altitude is more than 2000m, derating operation is required, Refer to the derating curve.

*All specifications are subject to change without notice.