BT5000A

AC Battery



Simplicity

- Lightweight and integrated design
- AC-coupled design, easy energy storage upgrade with existing solar systems

Flexibility

- Supports 6 units in parallel (Max.30kWh)
- Extendable by mixing new and existing batteries

Safety

- IP66 rated design
- Electrical isolation design, worry-free safety

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Model	BT5000A
AC Grid	
Rated Power	2500W
Rated Apparent Power	2750VA
Rated Output Current	11.4/10.9/10.4A
Max. Output Current	12.5/12/11.5A
Max. Input Current	22.7/21.7/20.8A
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	$LiFePO_4$ - lithium iron phosphate battery
Rated Voltage	51.2V
Battery Total Energy [1]	5.12kWh
Usable Capacity [2]	4.6kWh
General Parameters	
Operating Temperature Range [3]	-20℃ ~ +50℃
Relative Humidity Range	5%~95% (non-condensing)
Max. Operating Altitude [4]	4000m
Degree Of Protection	IP66
Display	LCD & APP
Cooling	Natural Cooling
Communication	RS485, optional: Wi-Fi, 4G
Surge Protection	AC: Type III
Dimensions(W×H×D)	400×800×175mm
Weights(kg)	50kg
Installation Method	Wall Mounted or Floor Mounted

*All specifications are subject to change without notice.