



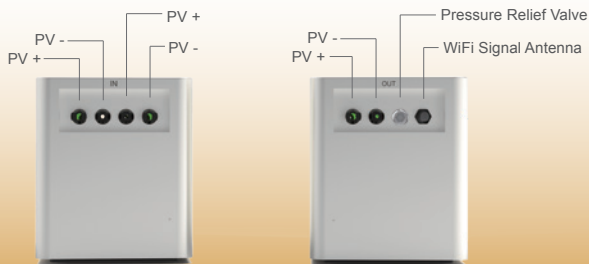
Areswatt New Energy

D2000



Balcony Photovoltaic Energy Storage System

Product features



High-efficiency Energy Storage

- 2048Wh large-capacity battery system, supporting 6000 charge-discharge cycles
- Provides long-lasting solutions for household energy storage and power consumption



Economical and Practical

- Up to 1200W battery output power, supports whole night power consumption
- Up to 2000W PV input power, supports 500Wx4 PV configuration



Intelligent Connection

- Supports Wi-Fi, Bluetooth connections
- Equipped with LED display and APP remote monitoring functions



Easy Installation

- Wide temperature range adaptive design, IP66 Protection level supports all-weather operation
- Stackable integrated design, simple and quick installation and operation



Safe and Reliable

- Integrates multiple safety mechanisms including charge-discharge protection, short-circuit protection, DC leakage protection, and residual current monitoring
- Ensures safe and reliable system operation



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Technical Parameters



Model		D2000	
Capacity		2048Wh	
Dimensions（LxWxH）(mm)	400*200*236.5mm		
Weight(kg)		23Kg	
Battery Type	LiFePO (LFP)		
Battery Lifecycle		6000 Cycles(DOD≤80%)	
PV Input			
Power (W)		500W*2	
MPPT Number	2		
MPPT Voltage Range (V)		12-60V	
Maximum Voltage (V)	60V		
Maximum Current (A)		20A	
PV Output			
DC Output		40-50V $\overleftrightarrow{\text{~}}$ 10A,1000W MAX	
DC Battery			
Charge/Discharge Power (W)	1000W		
Rated Voltage (V)		51.2V	
Voltage range (V)	44.8 ~ 57.6V		
Rated Current (A)		25 A	
Expansion			
Expansion Function		YES	
Expansion Capacity	Maximum user boost up to 1200W		
Protections			
Short Circuit Protection		YES	
Insulation Monitoring	YES		
DC Surge Protection		YES	
Residual Current Monitoring	YES		
General Data			
Charging Temperature (℃)		-20 ~ 50℃	
Discharging Temperature (℃)	-20 ~ 55℃		
Storage Temperature (℃)		-30 ~ 60℃/6months	
Enclosure rating	IP66		
Max. operation altitude (m)		≤3000m	
Display	LED、APP		
Communication	Wi-Fi、Bluetooth		
Container Loading Capacity			
Single Unit		460 pcs (20ft)	960 pcs (40ft)
With MIP0.8 Packaging	768 pcs (20ft)		1600 pcs (40ft)
With MIP2.5 Packaging	700 pcs (20ft)		1500 pcs (40ft)



Technical Support

For more information about operating environment, technical parameters and customized solutions, please consult our technical specialists.

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