



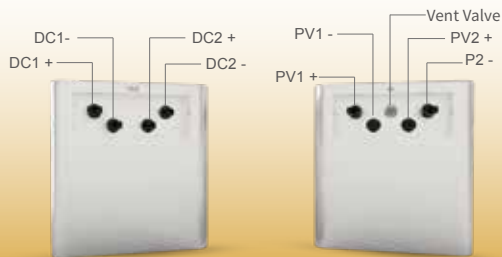
Areswatt New Energy

D2000



# Balcony Photovoltaic Energy Storage System

## Product features



### High-efficiency Energy Storage

- 2048Wh large-capacity battery system, supporting 6000 charge-discharge cycles
- Supports the use of micro-inverters from other brands



### Economical and Practical

- Up to 1000W battery output power, supports whole night power consumption
- Up to 2400W PV input power, supports 600Wx2 PV configuration



### Intelligent Connection

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



### Easy Installation

- Equipped with a battery heating function, supporting operation at low temperatures in winter
- IP65 protection level, suitable for outdoor installation
- 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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Model		D2000	
Capacity		2048Wh	
Dimensions (LxWxH)(mm)		400*218*240mm	
Weight(kg)		23Kg	
Battery Type		LiFePO (LFP)	
Battery Lifecycle		6000 Cycles(DOD≤80%)	
PV Input			
Power (W)		600W*2	
MPPT Number		2	
MPPT Voltage Range (V)		12-60V	
Maximum Voltage (V)		60V	
Maximum Current (A)		18 A	
PV Output			
DC Output		40-50V $\rightleftharpoons$ 25A, 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		Supports capacity expansion / Compatible with micro-inverters from other brands	
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 (°C)		-20 ~ 50°C	
Discharging Temperature (°C)		-20 ~ 55°C	
Storage Temperature (°C)		-30~60°C/Equipped with a low-temperature heating function	
Enclosure rating		IP65	
Max. operation altitude (m)		≤3000m	
Display		LED&APP	
Communication		Wifi&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.