

# RESIDENTIAL ESS SOLUTION

DEYE AUTUMN WD SERIES



## Wide Application

- Built-in 5A constant-current limit charge
- Compatible with any brand inverter
- Suited for backup power, residential



## High Power Density

- Light weight, and smaller size



## Flexible

- Max.4 units in series and Max. 10 units in parallel

≥6000

-20°C to 55°C

Cycles

Wide Temp



## Easy Operation & Maintenance

- Support external power, avoid battery standby allow direct recharge
- With RS485 for firmware updates



## Safer

- (LFP) Battery : Safe, long-lasting
- high-efficiency. Built-in circuit breaker intelligent BMS. Eco-friendly materials



## Reliable

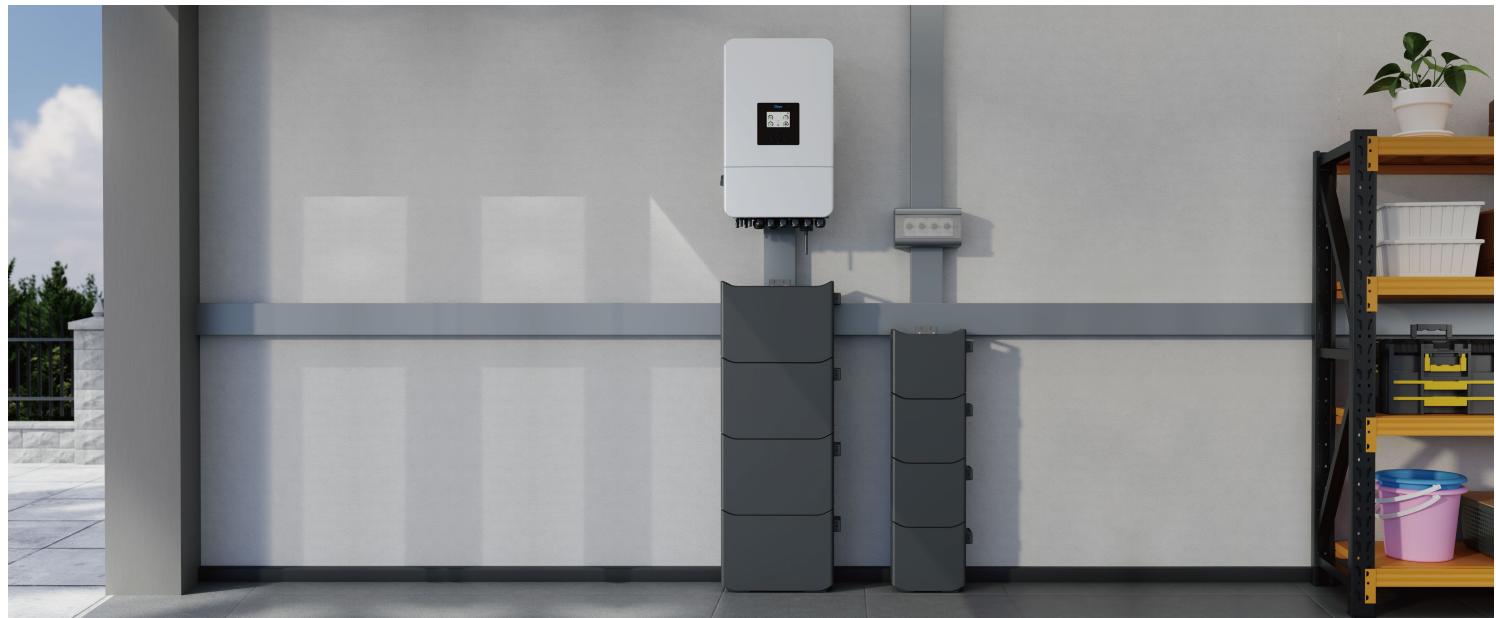
- Wide temp range : -20°C to 55°C

70%

5 Years

EOL

Warranty



Model	WD-G12100	WD-G12200	WD-G24100
Battery Chemistry	LiFePO <sub>4</sub>		
Nominal Capacity <sup>[1]</sup>	100 Ah	200 Ah	100 Ah
Nominal Voltage	12.8 V	25.6	
Operating Voltage	11.2 V ~ 14.6 V	22.4 ~ 29.2	
Nominal Energy <sup>[1]</sup>	1.28 kWh	2.56 kWh	2.56 kWh
Cell Configuration	Prismatic, 1P4S	Prismatic, 2P4S	Prismatic, 1P8S
Scalability	Max. 4 units in series ( 51.2V ) and Max. 10 units in parallel		
Charge Current <sup>[2]</sup>	Max. Continuous Peak	100 A 200 A (10 sec)	100 A 200 A (10 sec)
Discharge Current <sup>[2]</sup>	Max. Continuous Peak	100 A 200 A (10 sec)	100 A 300 A (10 sec)
<b>Other Parameter</b>			
Recommend Depth of Discharge	80% DoD		
Dimension Approximate ( W×D×H, mm )	310 × 160 × 298	471 × 160 × 348	471 × 160 × 348
Weight Approximate	11 kg	21 kg	21 kg
Case Material	ABS+PC		
LED Indicator	LED ( SOC, working, protecting ) & Buzzer		
Communication	RS485		
IP Rating of Enclosure	IP20		
Operating Temperature	Charge : 0 ~ 55°C, Discharge : -20°C ~ 55°C		
Storage Temperature	0 ~ 35°C		
Relative Humidity	95%		
Altitude	≤2000m		
Cycle Life	≥6000 ( 25°C±2°C, 0.2C charging and discharging, 80%DOD, 70%EOL )		
Warranty Period <sup>[3]</sup>	5 years		
Installation	Floor-Mounted, Stack-Mounted		
Certification	UN38.3, MSDS		

[1] Test conditions : 25°C±2°C, at beginning of life and calibration mode, 0.2C charge & 0.2C discharge, 100% DOD.

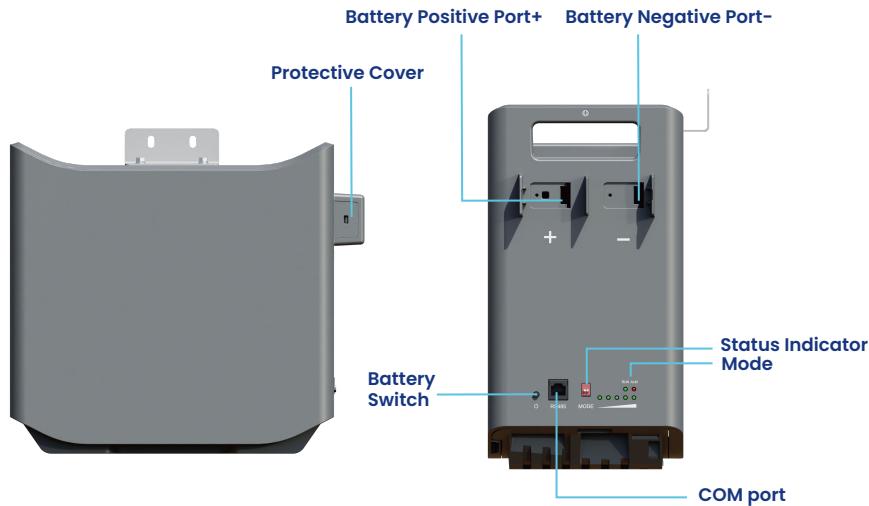
[2] The current is affected by temperature and SOC.

[3] Conditions apply, refer to Deye Warranty Letter.



## Model

WD-G12100/WD-G12200/WD-G24100

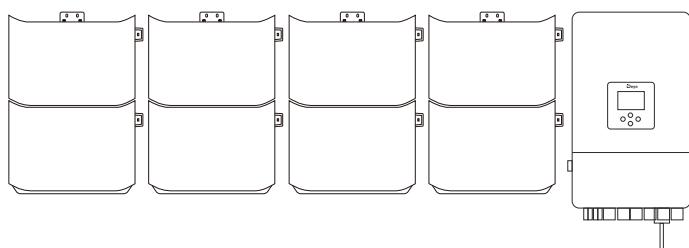


## Product Expansion

WD-G12100				
Battery backup time	1h	2h	3h	4h
SUN-3K-SG04LP1-EU-SM2	1P4S	-	2P4S <sup>1</sup>	3P4S
WD-G12200				
Battery backup time	1h	2h	3h	4h
SUN-3K-SG04LP1-EU-SM2	-	-	1P4S	2P4S
WD-G24100				
Battery backup time	1h	2h	3h	4h
SUN-3K-SG04LP1-EU-SM2	-	1P2S	2P2S	3P2S

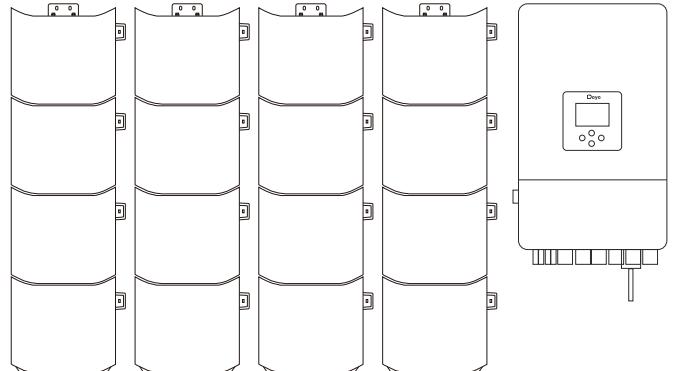
[1] 2P4S refers to 2 clusters in parallel and 4 battery packs in series, totaling 8 batteries. Other configurations follow the same principle.

WD-G12200



SUN-3kW-SG05LP1-EU-SM2

WD-G12100



SUN-5kW-SG05LP1-EU-SM2

Maximum support for 10 racks of batteries in parallel

# Deye Cloud

## All-in-one Energy & Device Management Platform

-  **Unlock Significant Savings**
-  **Individual Add-On for Dynamic Tariff**
-  **Intelligent Charging/Discharging Strategies**
-  **Tailored Solution to Deye Devices**
-  **Real-time Equipment Monitoring**

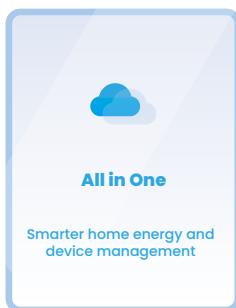


### Smarten Up Your Home Energy



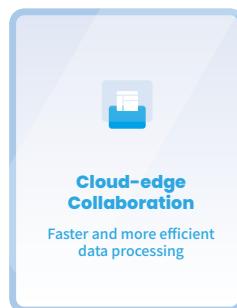
Download Deye Cloud APP to join us!

Embrace a seamless, effortless energy experience that's both eco-friendly and budget-friendly with our intelligent assistant



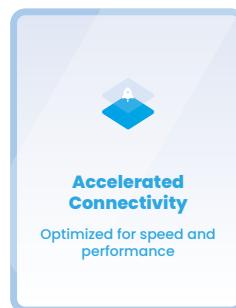
#### All in One

Smarter home energy and device management



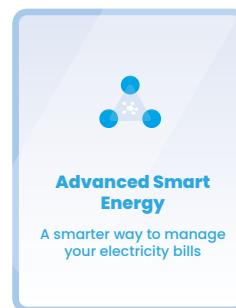
#### Cloud-edge Collaboration

Faster and more efficient data processing



#### Accelerated Connectivity

Optimized for speed and performance



#### Advanced Smart Energy

A smarter way to manage your electricity bills



Deye ESS / Deye New Energy



[www.deyeess.com](http://www.deyeess.com) / [www.deyeinverter.com](http://www.deyeinverter.com)