

# 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



## 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

≥6000 Cycles    -20°C to 55°C Wide Temp

Cycles

Wide Temp

70% EOL

EOL

5 Years Warranty

Warranty



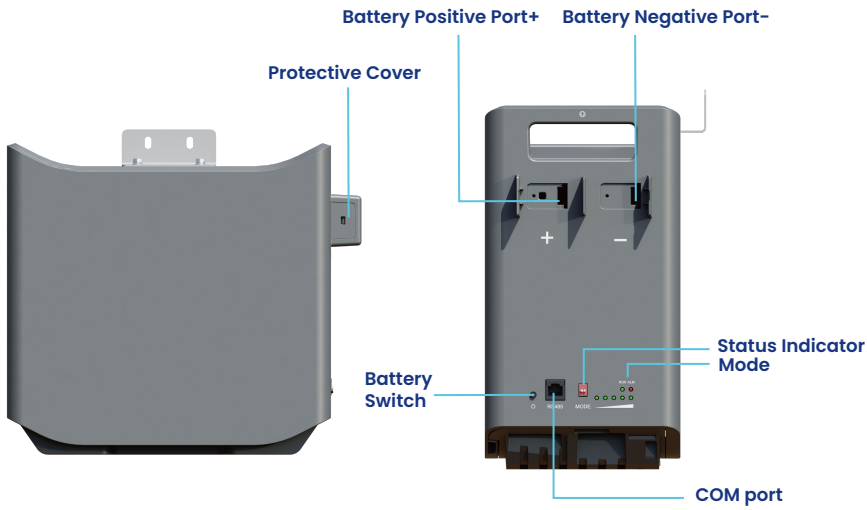
Model	WD-G12100	WD-G12200	WD-G24100
Battery Chemistry	LiFePO <sub>4</sub>		
Nominal Capacity <sup>[1]</sup>	100 Ah	200 Ah	100 Ah
Nominal Voltage	12.8 V		25.6
Operating Voltage	11.2 V ~ 14.6 V		22.4 ~ 29.2
Nominal Energy <sup>[1]</sup>	1.28 kWh	2.56 kWh	2.56 kWh
Cell Configuration	Prismatic, 1P4S	Prismatic, 2P4S	Prismatic, 1P8S
Scalability	Max. 4 units in series ( 51.2V ) and Max. 10 units in parallel		Max. 2 units in series ( 51.2V ) and Max. 10 units in parallel
Charge Current <sup>[2]</sup>	Max. Continuous	100 A	200 A
	Peak	200 A (10 sec)	300 A (10 sec)
Discharge Current <sup>[2]</sup>	Max. Continuous	100 A	200 A
	Peak	200 A (10 sec)	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, 80%DOD, 70%EOL )		
Warranty Period <sup>[3]</sup>	5 years		
Installation	Floor-Mounted, Stack-Mouted		
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**



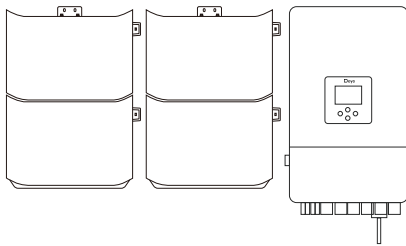
- ⊙ Protective Cover : To protect against extreme weather.
- ⊙ Battery Positive Port + : Connect "+" port of inverter or previous/next battery among multiple parallel batteries.
- ⊙ Battery Negative Port - : Connect "-" port of inverter or previous/next battery among multiple parallel batteries.
- ⊙ Battery Switch : To power ON/OFF the battery.
- ⊙ COM Port : Follow the RS-485 protocol (baud rate: 9600), used to output battery information to the PCS through connection between COM port of the battery and BMS1 port of the PCS.
- ⊙ Status Indicator : To indicate the status of the entire battery system, including SOC, RUN, and ALARM.
- ⊙ Mode : To identify the quantity of batteries in series.

 Product Expansion

WD-G12100				
Battery backup time	1h	2h	3h	4h
SUN-3K-SG04LP1-24-EU	1P2S	2P2S <sup>[1]</sup>	4P2S	5P2S
WD-G12200				
Battery backup time	1h	2h	3h	4h
SUN-3K-SG04LP1-24-EU	-	1P2S	2P2S	3P2S
WD-G24100				
Battery backup time	1h	2h	3h	4h
SUN-3K-SG04LP1-24-EU	1P	2P	4P	5P

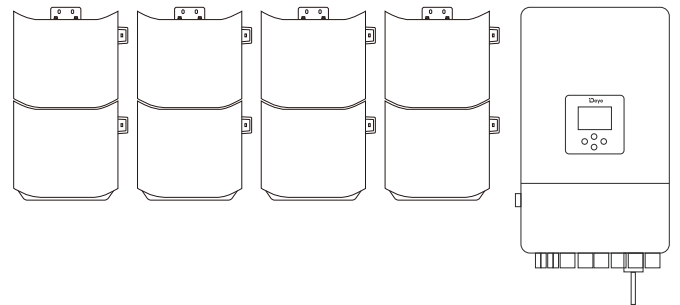
[1] 2P2S refers to 2 clusters in parallel and 2 battery packs in series, totaling 4 batteries. Other configurations follow the same principle.

WD-G12200      SUN-3K-SG04LP1-24-EU



**3h**

WD-G12100      SUN-3K-SG04LP1-24-EU



**3h**

# 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



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