

The **DH-WLL010D1** is a low-voltage battery unit designed for household energy storage. With an IP66 rating for indoor and outdoor use and a built-in low-temperature heating function, it is both durable and adaptable. Each unit provides 10 kWh of capacity and can be expanded with up to six units in parallel through floor-standing installation, making it an ideal solution for meeting home electricity needs.



Safety

- LiFePO4 safe battery chemistry of higher energy density
- Smart built-in BMS and comprehensive hardware protection



Easy Management

- Dynamic SOC calibration
- Support remote monitoring through mobile phone APP & global Cloud platform available



Expandability

- Support up to 6 packs in parallel connection
- Easy installation for larger capacity



Compatibility

- Compatible with most mainstream inverters
- IP66 for outdoor installation
- Heating function that ensures fault-free operation under -15 C ambient temperature.



Certifications

CE-EMC/CE-RED/IEC62619/UN38.3/MSDS

Technical specification:

Model		DH-WLL010D1
Total Energy		10.49kWh
Usable Energy(DC)		9.97kWh
Voltage		44.8~57.6Vdc
Nominal Voltage		51.2Vdc
Rated Capacity		205Ah
Max. Charge Voltage		57.6Vdc
Nominal Discharging Current		100A
Rated discharge power		5.12 kW
Rated charge power		5.12kW
Nominal Charging Current		100A
Weight		90±3kg
Cycle life		≥ 6000 cycles
Dimension(mm)(L*W*H)		(430+2)*(232+2)*(670+2)
System efficiency		≥ 95%
Capacity retention		≥85% after 10 years
Max.recommended DOD		95%
Operating Condition		Indoor/Outdoor
Operating Temperature	Charge	0~52°C
	Discharge	-15~52°C
Storage Temperature Range		-35~60°C, (30%~50%SOC,<3 months)
Humidity		5% ~ 85%(RH)(No Condensation)
Over Voltage Category		I
Cooling Type		Natural cooling
Case Material		Metal
Installation		Floor-standing
IP Rating		IP 66
Electric Heating		Yes
Heating Film (Optional)		130W
Screen (Optional)		LED
Protective Class		I
Max. Connection Number		6P
Communication		CAN/RS485/WiFi
Battery Protection		Over-current/Over-voltage/Short circuit/Under-voltage/Over-temperature
Certificates		IEC62619/CE/UN38.3/MSDS
Compliance		SR EN 50549-1:2019 / SR EN 50549-2:2019
Warranty		10 years

*Testing conditions based on temperature 25°C at the beginning of life. Total Energy/Usable Energy are measured with a standard test method: 0.2C Charge and Discharge. As per the characteristics of lithium batteries, such parameters as the charge/ discharge current and efficiency listed above are subject to change. The final right of interpretation is reserved by Dahai Solar.