



The **DH-SHL005RA1** features a plug-and-play design for easy installation. Its stackable structure supports up to seven battery packs, delivering a total capacity of 36.55 kWh, with parallel connection available across seven units. Built with advanced LiFePO₄ technology and a high waterproof rating, the DaHai DH-SHL005RA1 offers enhanced safety through integrated software and hardware protection—providing a reliable power solution for diverse applications.



Safety

-LFP Battery, Intelligent BMS and protective hardware providing complete protection



Easy Management

- Scalable up to 56 packs



Durability

- 6,000 cycles at 95% DOD



Accuracy

Dynamic SOC calibration



Compatibility

- Suitable for most mainstream inverters



Certifications

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

Technical specification:

Model		DH-SHL005RA1			
Battery Type		LFP			
Number of Connection	1pcs	2pcs	3pcs	4pcs	5pcs
Total Energy	5.32kWh	10.64kWh	15.97kWh	21.29kWh	26.62kWh
Usable Energy	5.06kWh	10.11kWh	15.18kWh	20.24kWh	25.30kWh
Max.Parallel Connections		8P			
Voltage	102.4Vd.c.	204.8Vd.c.	307.2Vd.c.	409.6Vd.c.	512Vd.c.
Nominal Charging Voltage	115.2Vd.c.	230.4Vd.c.	345.6Vd.c.	460.8Vd.c.	576Vd.c.
Max. Charging Current		30A			
Nominal Discharging Current		30A			
Voltage Range	89.6~115.2Vd.c.	179.2~230.4Vd.c.	268.8~345.6Vd.c.	358.4~460.8Vd.c.	448~576Vd.c.
Battery Efficiency		95%			
Battery Protection		Over-current/Over-voltage/Short-circuit/Under-voltage/Over temperature			
Maximum Recommended DOD		95%			
Communication		CAN,RS485			
IP Rating		IP66			
Operating Temperature	Charging	0~52 °C			
	Discharging	-15~52 °C			
Altitude		≤5,000m			
Humidity		15% ~ 85%RH (No condensation)			
Warranty		10 years (5 free warranty + 5 paid warranty)			
Dimension	(660±2)*	(660±2)*	(660±2)*	(660±2)*	(660±2)*
	(390±2)*	(390±2)*	(390±2)*	(390±2)*	(390±2)*
	(378±3) mm	(528±5) mm	(678±7) mm	(828±9) mm	(978±9) mm
Net Weight	(63±2)kg	(108±4)kg	(153±6)kg	(198±6)kg	(243±6)kg
Installation		Stacked Installation			

*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 our company.