



DH-A05

Rechargeable Lithium Iron Battery

The product is a low-voltage energy storage battery designed to provide efficient and reliable energy storage solutions for households, businesses, and specific occasions. Adopting top tier brand lithium iron phosphate battery cells, with high safety, stability, energy density, and long cycle life. Built in efficient intelligent battery management system(BMS), comprehensively monitoring and controlling the battery energy storage system to ensure its safe, stable and high-performance operation.



Long life, Safety

- The cycle life is more than 6000 times, which is 2-7 times that of lead-acid batteries



Endurance without worry

- It can run stably in the environment of -40°C ~ 65°C
- The capacity retention rate at -20 C is nearly 90%



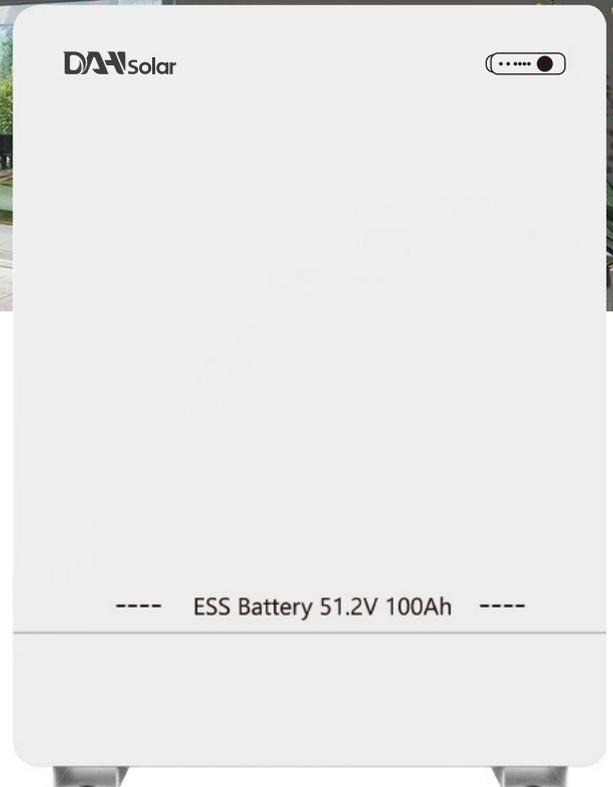
No Pollution

- High energy density, small size, light weight, no pollution



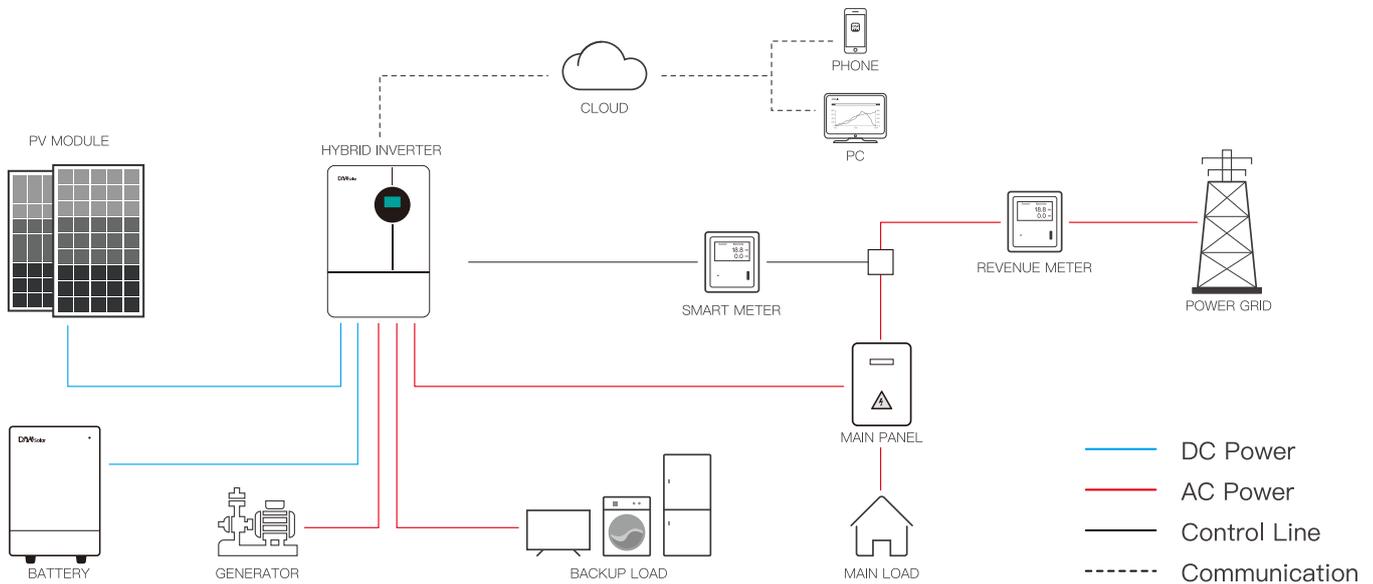
Superior performance

- Support 2C fast charge and fast discharge, the charging speed is increased by 15%, and the power performance is better.



TECHNICAL PARAMETER

System Application



Technical Data

Model

DH-A05

Main Parameter

Nominal voltage (V)/capacity (Ah)	51.2/100
BMS Model	P16S100A-XH41063-10A-10B
Recommend Charge Current (A)	50
Maximum continuous charging current (A)	100 (25°C)
Maximum charging voltage (V)	58.4 (Single section overcharge 3.65V)
Maximum continuous discharge current (A)	100
Discharge protection current (A)	110 (25°C)
Dimension (W/H/D, mm)	458*585*135
Battery pack weight (kg)	48
Use ambient temperature (°C)	Charge: 0~+55/Discharge: -20~+60
Storage temperature (°C)	-10~35 (Replenishment of electricity every 2 months 60~80%SOC)
Battery pack warranty period	>6000 recycle times (0.5C charge 1C discharge)
Communication Methods	485 communication
Housing material	Sheet metal