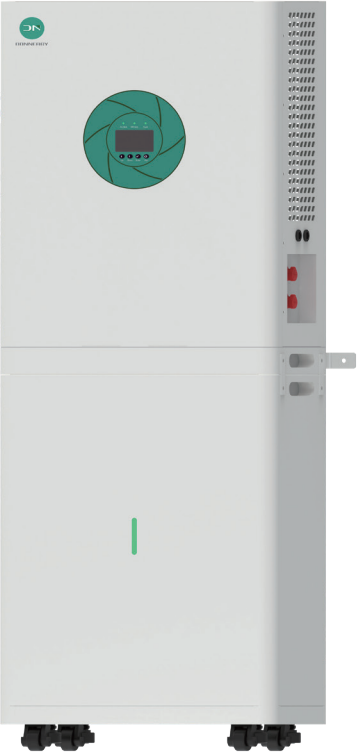


# PV Storage System Specifications



## DOH01-5K\_XFM15K-EU



- Quickly raises battery temperature by 20°C+ in cold conditions, ensuring stable operation and longevity.
- 97.8% conversion and 95% battery-to-AC efficiency significantly cut energy waste and costs.
- Multi-level protection meets global standards, preventing overcharge, over-discharge, and short circuits.
- LCD + Wi-Fi enable real-time tracking and remote fault alerts for proactive oversight.
- Power switchover in <20ms (capacitive) and <10ms (resistive) ensures stable operation during fluctuations.
- Runs below 40dB, ideal for residential and commercial use, enhancing user comfort.
- All-in-one design reduces installation costs, supports expansion and multiple interfaces.
- Meets global standards, lowers emissions, and unlocks green energy policy benefits.
- 5-year battery and inverter warranty builds market trust and confidence.

Model	DOH01-5K_XFM15K-EU
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### Battery parameters

Battery Type	LiFePO4 lithium iron phosphate
Number of Strings	16S1P
Capacity	300Ah
Standard Voltage	51.2V
Energy	15.36KWh
Communication	CAN/RS485
Charge Cutoff Voltage	58.4V
Discharge Cutoff Voltage	44V
Maximum Charge Current	100A
Maximum Discharge Current	100A
Cycle Life	≥6,000 times (25±2°C, initial clamping force 300Kgf, Standard charge mode/Standard discharge mode, residual energy≥672Wh )
Internal Resistance	≤20mΩ

### AC Input/Output

Rated Power W (Charging)	5000W
Rated Power W (Discharging)	5000W
Maximum Output Apparent Power (VA)	5500VA
Maximum Input Current (A)	25A
Rated Voltage	5230V
Rated Frequency	50Hz
Current Distortion Rate	<3% (rated power)
DC Component	<0.5%In
Power Factor Range	±0.8 (adjustable range 0.8 ahead ~0.8 lag)

### Off-Grid Output

Maximum Output Power (W)	4500W
Rated Output Voltage (V)	230V
Rated Output Frequency	50Hz (60Hz customizable)
Backup Power Switching Time	<20ms (capacitive loads); <10ms (resistive loads)
Total Harmonic Distortion (Linear Load)	<3%
Overload Capability	110% 30s / 120% 10s / 150% 80ms

### Efficiency

Maximum efficiency	97.8%
European efficiency	97%
Maximum discharge efficiency	95%
Standby power	<10W (no load mode, battery disconnected)

### Other Parameters

IP Protection Rating	IP65
Noise	<40dB
Heating Function	Supported
WiFi	Supported
Operating Temperature Range	-15°Cto55°C
Ambient Humidity	5-95% (no condensation)
Display	LCD&LED
Quality Assurance	Battery 5 years, inverter board 2 years
Operating Altitude	<2000m
Cooling Method	Natural Convection
Weight	Approx. 169KG
Dimensions (W/D/H) (mm)	680×300×1630(mm)