

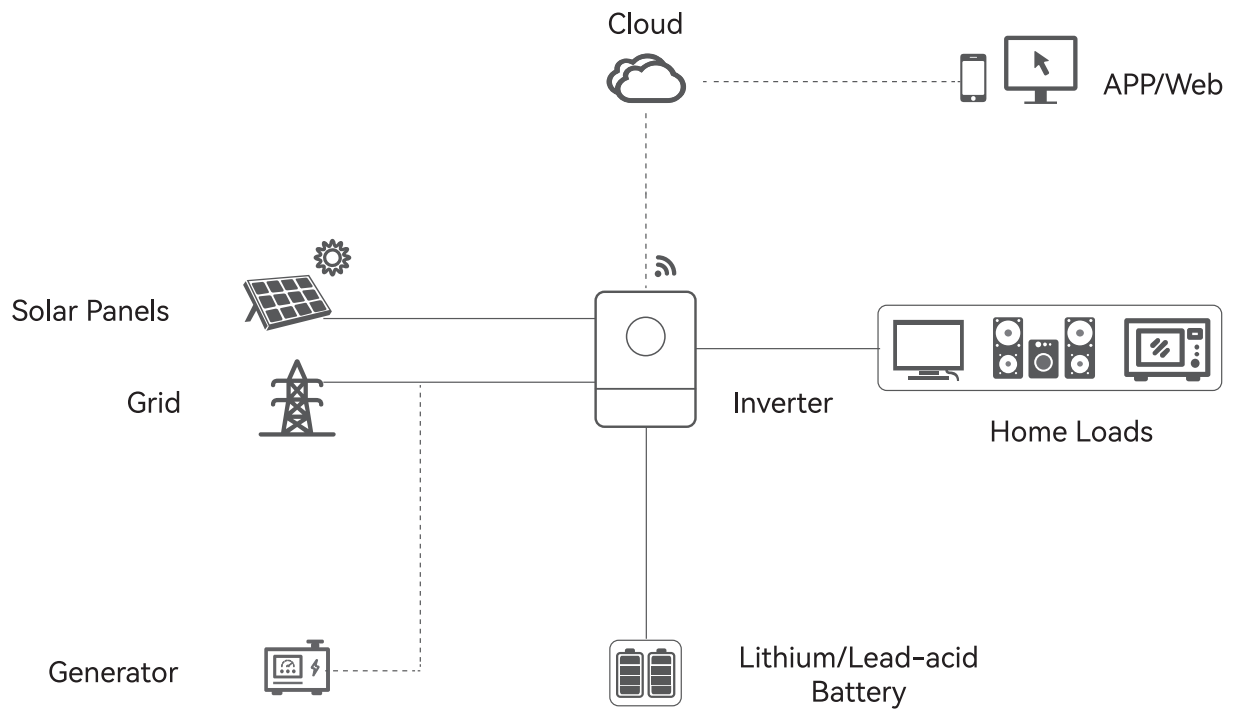


DFUL487.2K150-H Series

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|----------------------------|--------------------------------------|
| 1. Dual-channel MPPT | 4. Flexible monitor mode |
| 2. Max. efficiency >95% | 5. Extreme security |
| 3. OLED light touch screen | 6. Accurate touch and quick response |

The DFHY series inverters present a new exterior design and a new hardware topology. With the help of more advanced digital control technology, on the basis of inheriting the excellent characteristics of the previous generation of products, OLED light-touch touch screen is used to display information in high definition, to achieve intuitive presentation of the operation interface and significantly improve the performance of the whole machine. The whole machine heat dissipation design of this series of inverters is extremely excellent, with a more comprehensive hardware and software protection mechanism, enhance the durability of the equipment, and its reliability and service life are significantly improved.

System Diagram



Specifications

Model	DFUL487.2K150-H
Parallel mode (function reserved)	
Allow quantity	1-6
Mains mode	
Nominal input voltage	120(L1/N, L2/N)/240Vac(L1/L2)
Input phase voltage range	(85Vac~140Vac)±2%
Frequency	50Hz/60Hz (Auto detection)
Frequency range	47±0.3Hz~55±0.3Hz (50Hz); 57±0.3Hz~65±0.3Hz (60Hz);
Max. efficiency	>95%
Conversion time (bypass and inverter)	10ms (typical)
Max. bypass phase overload current	2P, 50A/50A(L1/L2)
Inverter mode	
Output voltage waveform	Pure sine wave
Nominal output power (VA) / (W)	Split phase:7200VA/7200W Single phase: 6000VA/6000W(limited by the wiring terminals)
Power factor	1
Nominal output voltage (Vac)	120Vac (L1/N, L2/N)/240Vac(L1/L2)
Output frequency range(Hz)	50Hz±0.3Hz/60Hz±0.3Hz
Max. efficiency	>91%
Overload protection	(102% < load <110%) ±5%: report error and turn off the output after 5 minutes; (110% < load < 125%) ± 5%: report error and turn off the output after 10 seconds; Load >125% ±5%: report error and turn off the output after 5 seconds;
Peak power	Split phase: 10800VA Single phase: 10800VA
Loaded motor capability	4HP
Nominal battery input voltage	48V (Minimum starting voltage 44V)
Battery voltage range	40.0Vdc~60Vdc±0.6Vdc (Undervoltage alarm/shutdown voltage/overvoltage alarm / overvoltage recovery... settable on LCD screen)
Save power mode	Load≤25W enter power-saving mode
Mains charge	
Battery type	Lead acid or lithium battery
Max. charge current (configurable)	120A
Charge voltage range	40 ~60Vdc
Solar charge	
Max. PV open circuit voltage	500Vdc
PV operate voltage range	90Vdc~500Vdc
MPPT voltage range	90Vdc~450Vdc
Battery voltage range	40~60Vdc
Max. PV input power/current	4500W×2/16A×2
Charge current range (configurable)	150A
Max. hybrid charge current (PV+AC)	
Max. hybrid charge current (configurable)	0-150A
Certification	
Safety certification	UL STD.1741
EMC certification level	FCC part15, CLASS B
Operate temperature range	-10°C to 55°C(>45°C derating)
Storage temperature range	-25°C ~ 60°C

Humidity range	5% to 95% (Conformal coating protection)
Noise	≤60dB
Cooling	Forced air cooling, variable speed of fan
Communicate	USB/RS485(/WiFi/GPRS)/ Dry node control
Dimensions(L*W*D)	580*359*127
Weight (kg)	18.9