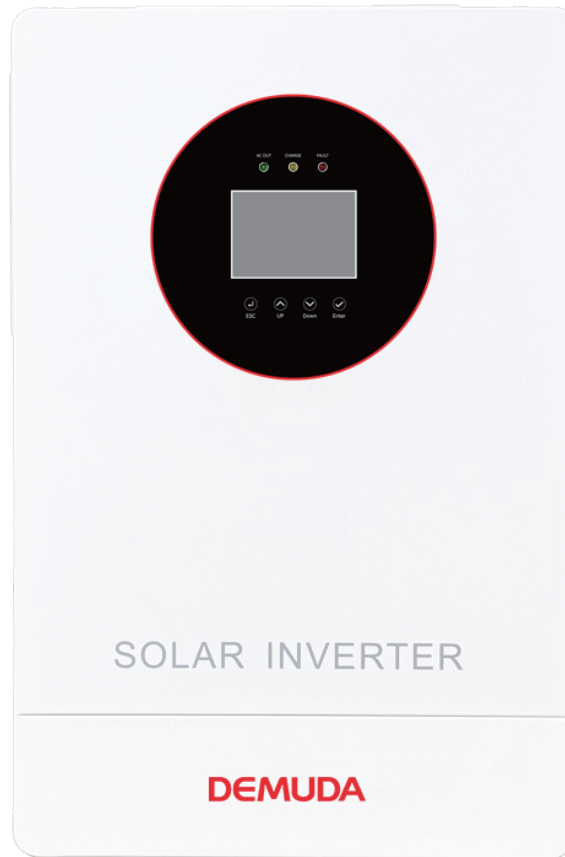


DEMUDA



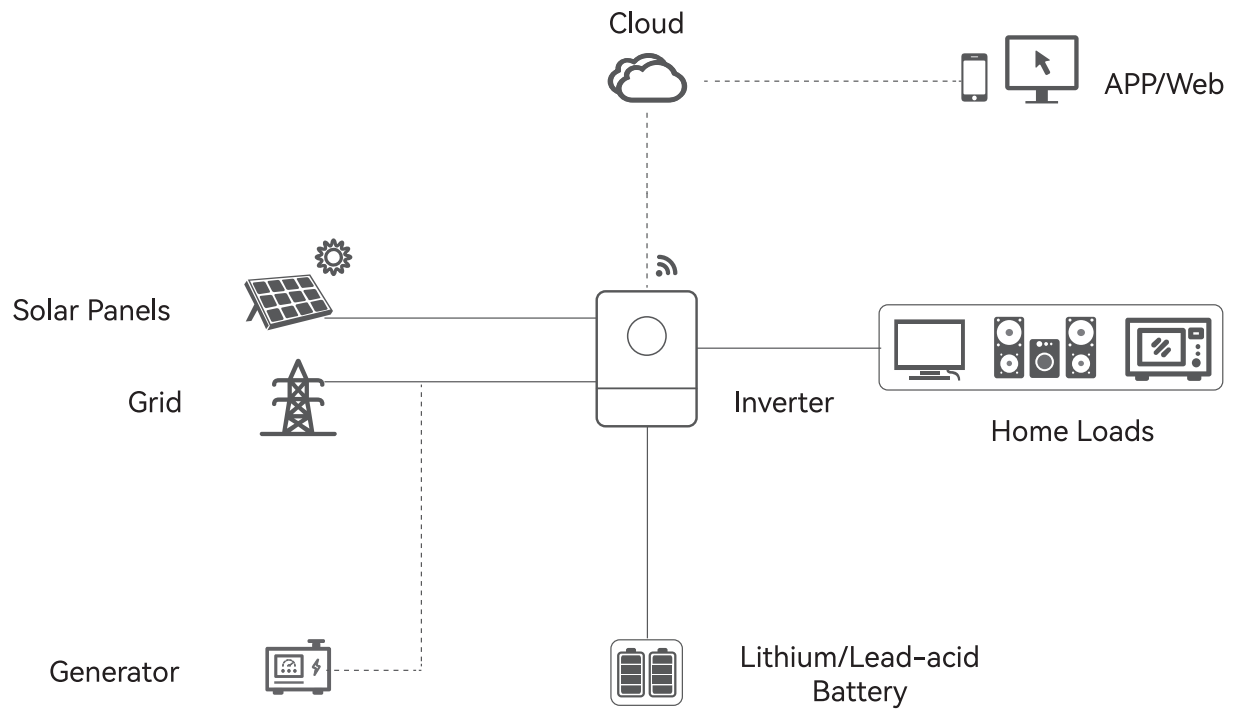
DFHY13.2KVABG-EU Series

- | | |
|-------------------------|-----------------------------------|
| 1. Dual-channel MPPT | 4. OLED display and touch buttons |
| 2. Extreme security | 5. Flexible monitor mode |
| 3. Max. efficiency >95% | |

Single phase dual channel

The DFHY13.2KVA-EU 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, the performance of the whole machine is updated and iterated. The heat dissipation design of this series of inverters is extremely excellent, and it has a more comprehensive hardware and software protection mechanism, which makes its service life longer and reliability greatly improved.

System Diagram



Specifications

Model	DFHY13.2KVABG-EU
Parallel mode (function reserved)	1-6
Allow quantity	BG 1-6
Mains mode	
Nominal input voltage	220/230Vac
Input phase voltage range	(170Vac~280Vac)±2% (UPS mode) ; (90Vac~280Vac)±2% (APL mode)
Frequency	50Hz/60Hz (Auto detect)
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 value)
Max. bypass phase overload current	60A
Inverter mode	
Output voltage waveform	Pure sine wave
Nominal output power (VA) / (W)	12000VA/12000W
Power factor	1
Nominal output voltage (Vac)	230Vac
Output frequency range(Hz)	50Hz±0.3Hz/60Hz±0.3Hz
Max. efficiency	>97%
Overload protection	(102%<load<125%)±10%: report error, turn off the output after 5 minutes; (125%<load<150%)±10%: report error, turn off the output after 10 seconds; load>150%±10%: report error,turn off the output after 5 seconds;
Peak power	22000VA
Loaded motor capability	7HP
Nominal battery input voltage	48V (Min. start voltage 44V)
Battery voltage range	40.0Vdc~60Vdc±0.6Vdc (Undervoltage alarm/shutdown voltage/overvoltage alarm /overvoltage recovery... LCD screen can be set)
Save power mode	Load≤50W Enter save power mode
Mains charge	
Battery type	Lead acid or lithium battery
Max. charge current (configurable)	150A
Charge voltage range	40 ~60Vdc
Solar charge	
Max. PV open circuit voltage	500Vdc
PV operate voltage range	80Vdc~500Vdc
MPPT voltage range	90Vdc~450Vdc
Battery voltage range	40~60Vdc
Max. PV input power/current	5500W×2/22A×2
Charge current range (configurable)	0~150A
Max. hybrid charge current (PV+AC)	
Max. hybrid charge current (configurable)	0~150A
Certification	
Safety certification	CE(IEC62109-1,2), UL1741
EMC certification level	EN61000-6-1, EN61000-6-3,FCC 15 class B
Operate temperature range	-15°C to 55°C
Storage temperature range	-25°C ~ 55°C

Humidity range	5% to 95% (Three anti-paint protection)
Noise	≤60dB
Cooling	Forced air cooling, variable speed of fan
Communicate	USB/RS485(/WiFi/GPRS)/ Dry node control
Dimensions(L*W*D)	550*365*130
Weight (kg)	20