



The Home+ series inverter presents 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 system. 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.



Key Features

- Dual MPPT Input
- Max. Efficiency > 95%
- OLED light touch screen
- Accurate touch and quick response
- Flexible monitor mode
- Extreme security
- Self-consumption mode, max efficient use the solar power

Model	Home+-10048D	Home+-12048D
Parallel mode (function reserved)		
Allow quantity	6	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, 63A/63A(L1/L2)	
Inverter mode		
Output voltage waveform	Pure sine wave	
Nominal output power (VA)/(W)	Split phase:	Split phase:12000VA/12000W
	Single	Single phase: 7200VA/7200W(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%: 5 minutes; (110% < load < 125%) ± 5%: 10 seconds; Load >125% ±5%: 5 seconds;	
Peak power	Split phase: 15000VA Single phase: 15000VA Split phase: 18000VA Single phase: 18000VA	
Loaded motor capability	5HP	6HP
Nominal battery input voltage	51.2V (Minimum starting voltage 44V)	
Battery voltage range	40.0Vdc~58.6Vdc±0.6Vdc	
Save power mode	Load≤25W enter power-saving mode	
Mains charge		
Battery type	Lead acid or lithium battery	
Max. charge current (configurable)	120A	160A
Charge voltage range	40 ~58.6Vdc	
Solar charge		
Max. PV open circuit voltage	500Vdc	
PV operate voltage range	90Vdc~500Vdc	
MPPT voltage range	90Vdc~450Vdc	
Battery voltage range	40-58.6Vdc	
Max. PV input power/current	6000W×2/22A×2	
Charge current range (configurable)	200A	
Max. hybrid charge current(PV+AC)		
Max. hybrid charge current (configurable)	0-220A	
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)	620*450*132	
Weight (kg)	23.8	