

Home Energy Storage System

■ NE-5600 / NE-11200 / NE-16800



Advantages

- Integrate off grid inverters into one;
- Using LiFePO4 batteries, with high safety performance and long cycle life;
- Equipped with two output modes: mains by pass and inverter output and with uninterrupted power supply function;
- The system has high safety performance and is equipped with multiple protection circuits to protect the safety of users lives and property;
- Support the parallel use of multiple inverters to achieve superposition of power (single-phase);
- Intelligent monitoring: Real time remote monitoring of mobile apps, supporting iOS and Android, with optional WIFI/GPRS versions.

Specifications



Model	NE5600	NE11200	NE16800
Maximum discharge power of mains supply	5.6KW	11.2KW	16.8KW
Energy storagecapacity(KWh)	5.12-30.72	10.24-30.72	15.36-30.72
Rated grid output current	25.5A	51A	76.5A
Maximum charging power of municipal electricity	5KW	10KW	15KW
Rated AC voltage	220V/230Vac		
Rated AC grid frequency	50Hz		
Maximum PV charging power	5600W	11200W	16800W
Maximum PV charging current	25.5A	51A	76.5A
Maximum PV opencircuit voltage	500Vdc		
MPPT voltage range	120-450Vdc		
Number of MPPT/Number of individual MPPT strings	1/1	2/2	3/3
Rated battery voltage	51.2V		
Maximum DCcharging current	100A	200A	300A
Maximum DC discharge current	120A	240A	360A
Standard charging/discharging current	50A (0.5C)		
Maximum chargingdischarging current	120A (1.2C)		
Cycle Times	3000-5000次80%SOC		
Power factors	0.98		
Battery pack size	200mm*400mm*600mm (W*T*H)		
Inverter size	200mm*400mm*600mm (W*T*H)		
Inverter weight	20KG-60KG		
Battery pack weight	55KG-330KG		
Standby power	≤10W		
Noise leve	≤60dB		
Relative humidity	5% to 90%		
Communicate	RS485/WiFi/GPRS		
Heat dissipation method	forced cooling		
Protection grade	IP54		
Altitude	< 2000m		
Charging operating temperature	0℃~65℃		
Discharge workingtemperature	-20℃~65℃		
Storage temperature	0℃~35℃		
Warranty period	Inverter for 2 years, battery pack for 10 years (or 3000 cycles with priority)		