

WiFi Smart Hybrid Inverter 4.2KW / 6.2KW



Off grid pure sine wave solar inverter



MPPT Voltage Range: 60-450V



WiFi Monitor



Max of parallel machines: 8pcs



The inverter can operate without a battery



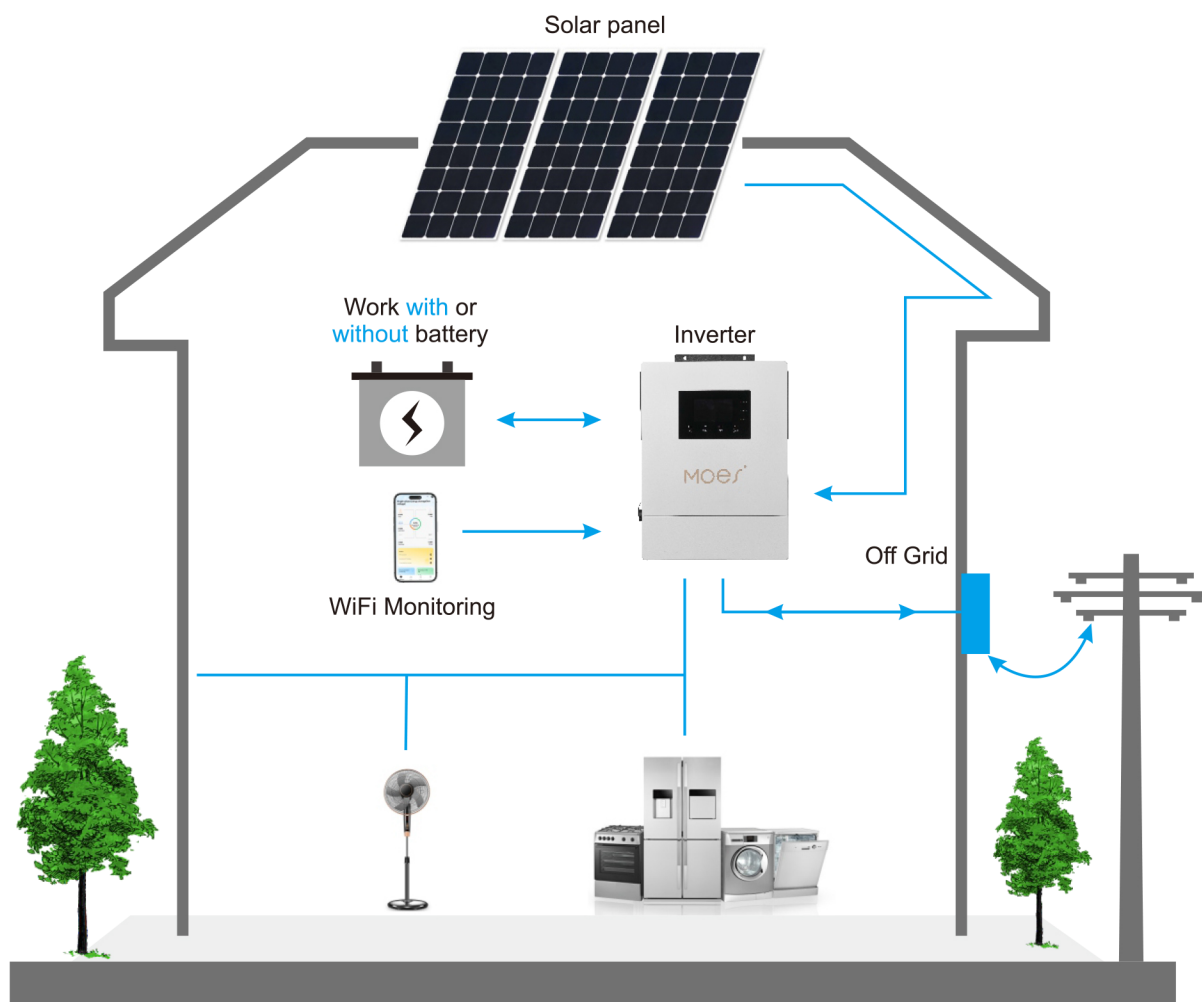
Intelligent charging design, optimizing battery life



Built in lithium battery automatic activation



Restore factory settings with one click





Specification

Product Model	NVESS-4.2KW	NVESS-6.2KW
PV Input		
Max. PV power	6kW	9kW
Max. input voltage	500V	
Rated input voltage	350V	
Start-up voltage	60V	
MPPT voltage range	60-450V	
Max. input current	30A	
Max. short circuit current	40A	
MPPT number/Max. input strings number	1/2	
Battery Input/Output		
Battery Voltage Range	40-60V	
Max Battery Charge/discharge Current	80A/80A	100A/100A
Max Battery Charge/discharge Power	4kW/4kW	6kW/6kW
Communication	RS485/CAN	
Inverter Output		
Rated output power	4kW	6kW
Max. output power	4.2kW	6.2kW
Max. apparent output power	4.2kVA	6.2kVA
Rated output current	18.2A	27.3A
Max. output current	19.1A	28A
EPS switch time	<10ms	
Rated output voltage/frequency	L/N/PE 220V/230V 50Hz/60Hz	
Power factor	0.8leading ... 0.8 lagging	
THDi	<2%	
Grid Input		
Max. input power	7kW	10kW
Max. input current	40A	50A
Input voltage	176-253V	
EPS Port		
Max. output power(Hybrid)	7kW	10kW
Max. output power(No Grid)	4.2kW	6.2kW
Max. output current(Hybrid)	40A	50A
Max. output current(No Grid)	19.1A	28A
Flexible port		
Work Mode	Second Load/Generator Input	
Max. input/output power	8kW	
Max. input/putput current	40A	
Rated voltage/frequency	L/N/PE 220V/230V 50Hz/60Hz	
System		
Max. efficiency	97.5%	
International Protection Code	IP20	
Ambient Temperature	-25 ~ 60℃	
Humidity	0-95%(No condensation)	
Cooling concept	Forced-air	
Size (L*W*H)	358*442*116mm	
Weight	9kg	
Function		
Photovoltaic insulation testing	Yes	
Anti islanding protection	Yes	
Anti-reflux	CT/METER	
Maximum number of parallel machines	8	
Three phase parallel operation	Yes	
Warrantv	5 years	