

# Energy Storage Hybrid Inverter (High Battery Voltage)



## Flexible

- Wide input voltage range. Compatible with lead-acid or lithium-ion batteries or other battery.

## Grace

- Fashion appearance, light weight, smart operation.
- Natural cooling, low noise.
- IP65, wall mounted design, saving space.
- Touch screen LCD.

## Reliable

- Compatible anti counter flow function.
- Battery reverse connect protection.

## Advanced

- Intelligent energy management system for home.
- Power dispatching and demand side response management.
- Distributed virtual power station management.

## Application Scenario



Villa



Communication base station



Nomadic area



Farm

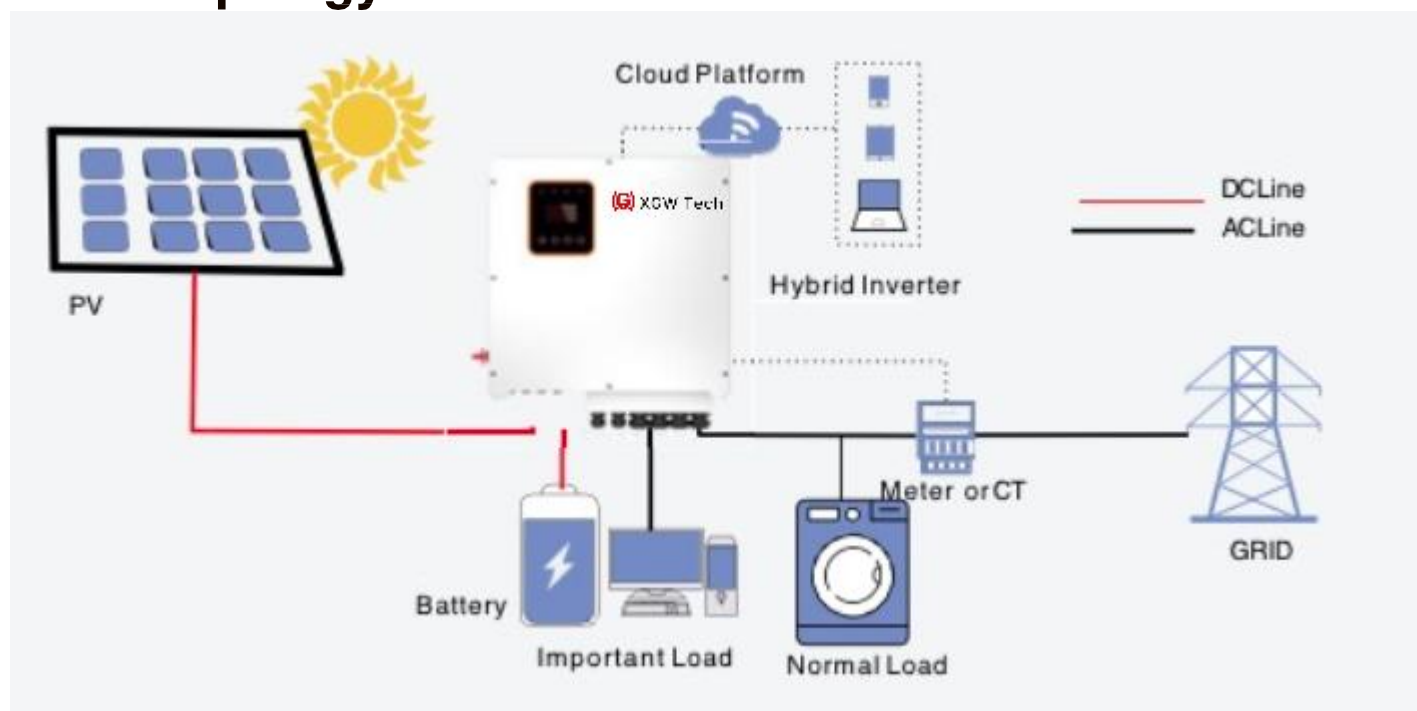


Household



Field power supply

## Product Topology



Model	NK-LB5000H1	NK-LB6000H1	NK-LB7600H1	NK-LB9000H1	NK-LB10KH1	NK-LB11.4KH1
<b>PVinput</b>						
Max. Input Power	6.5KW	8.5KW	10KW	11.7KW	13KW	14.82KW
Start-up voltage	120V					
Max. PV voltage	550V					
MPPT range/nominal	125V-500V /360V					
Max. input current	12A					
MPPT tracker/strings	4/1					
<b>ACoutput</b>						
Rated power	5KVA	6KVA	7.6KVA	9KVA	10KVA	11.4KVA
Max. output current	21.7A	26A	33A	39.2A	43.5A	49.5A
Nominal voltage/range	230V /176Vac~270Vac					
Frequency	50 /60Hz					
PF	0.99lagging-0.99leading					
THDI	<3%					
AC output topology	L+N+PE					
<b>Battery</b>						
Battery voltage range	85V~400V					
Capacity Of Battery	6.6~66 kWh					
Charge/discharge current	63 A / 63 A	80 A / 80 A				
Battery type	lithium /Lead-acid					
Communication interface	CAN/RS485					
<b>Eps output</b>						
Rated power w/va	5KVA	6KVA	7.6KVA	9KVA	10KVA	11.4KVA
Max. Output Power	6.25kVA 60s. 7.5kVA 1S	7.5kVA 60s. 9kVA 1S	9.5kVA 60S. 11.4KVA 1S	11.25kVA 60S. 13.5KVA 1S	12.5kVA 60S. 15KVA 1S	14.25 kVA 60 S. 17.1KVA 1S
Rated voltage	230Vac					
Rated current	21.7A	26A	33A	39.2A	43.5A	49.5A
Rated frequency	50 /60Hz					
Automatic switchover time	<20ms					
THDU	<2%					
<b>Generaldata</b>						
Battery chage/discharge	96.5%/96%					
DC max. efficiency	98.2%					
Euro efficiency	97.2%					
MPPT efficiency	99%					
Protection class	IP65					
Noise emission (typical)	<35dB					
Operation temperature	-25°C~+60°C					
Cooling	Natural					
Relative humidity	0~95% (non-condensing)					
Altitude	2000m					
Dimensions (WXDXH)	530X220X565mm					
Weight	30kg					
Inverter topology	Without transformer					
Self-consumption	<3W					
<b>Features</b>						
Display	LCD					
Interface:rs485/wifi/can/drm	yes /opt/opt/yes/yes					
Certificates	CE, TUV					