

## Energy Storage Hybrid Inverter(AC Three-phase)



### Flexible

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

### Grace

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

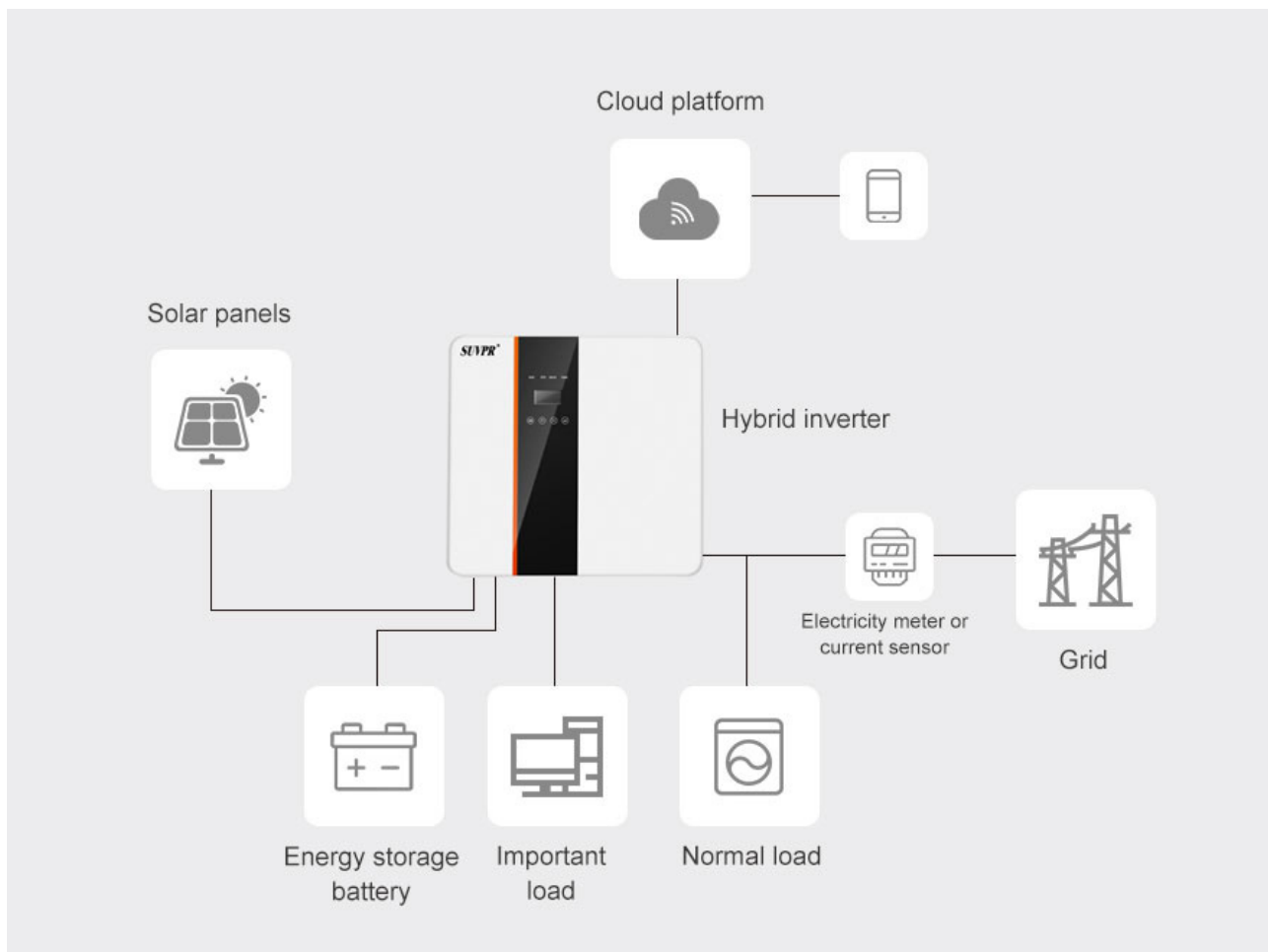
### Reliable

- 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.

## Product Topology



Model	NK-LB8000P3	NK-LB10000P3	NK-LB12000P3	NK-LB15000P3	NK-LB20000P3
<b>DC input</b>					
Start-up voltage	125V				
Max. PV voltage	1000V				
MPPT range	370V-800V				
Nominal	720V				
Max. input current	11A				
MPPT tracker/strings	2/1				
<b>AC output</b>					
Rated power w/va	8000W	10000W	12000W	15000W	20000W
Max. output current	13.3A	16.7A	20A	25A	33.3A
Nominal voltage/range	400V /360Vac~440Vac				
Frequency	50 /60Hz				
PF	1(0.8lagging-0.8leading)				
THDI	<3%				
AC output topology	3W+N+PE				
<b>Battery</b>					
Battery voltage range	170V~500V		170V~500V		
Max. charging voltage	500V		500V		
Charge/discharge current	25A	25A	30A	40A	50A
Battery type	lithium /Lead-acid				
Deep of discharging	80%DOD/50%DOD				
Communication interface	CAN/RS485				
<b>Eps output</b>					
Rated power	8000VA/8000/W	10000VA/12000/W	12000VA/12000/W	15000VA/15000/W	20000VA/20000W
Rated voltage	400Vac				
Rated current	12A	15A	18A	23A	30A
Rated frequency	50Hz				
Automatic switchover time	<20ms				
THDU	<2%				
Parallel operation	yes				
<b>Generaldata</b>					
Battery chage/discharge	96.5%/96%				
DC max. efficiency	97.6%				
Euro efficiency	97%				
MPPT efficiency	99.9%				
Protection class	IP65				
Noise emission (typical)	<35dB				
Operation temperature	-25~+60℃				
Cooling	Natural				
Relative humidity	0 ~95% (non-condensing)				
Altitude	2000m				
Dimensions (WXDXH)	550X200X515mm				
Weight	36kg				
Inverter topology	Without transformer				
Self-consumption	<3W				
<b>Features</b>					
Display	LCD				
Interface:rs485/wifi/lan /can/drm	yes /opt/opt/yes/yes				
Certificates	CE、TUV、VDE				