Single Phase Hybrid Inverter

SUVPR®

Friendly & flexible

- Support multi-machine parallel connection
- Compatible with lead-acid or lithium-ion batteries or other battery access
- Support flexible access of diesel generator

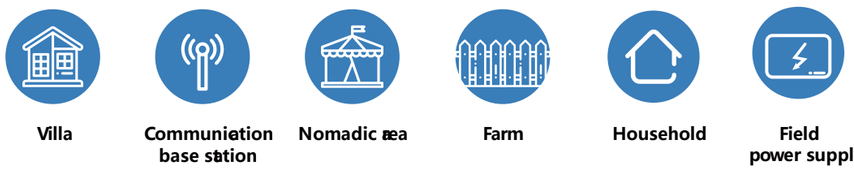
Safe & reliable

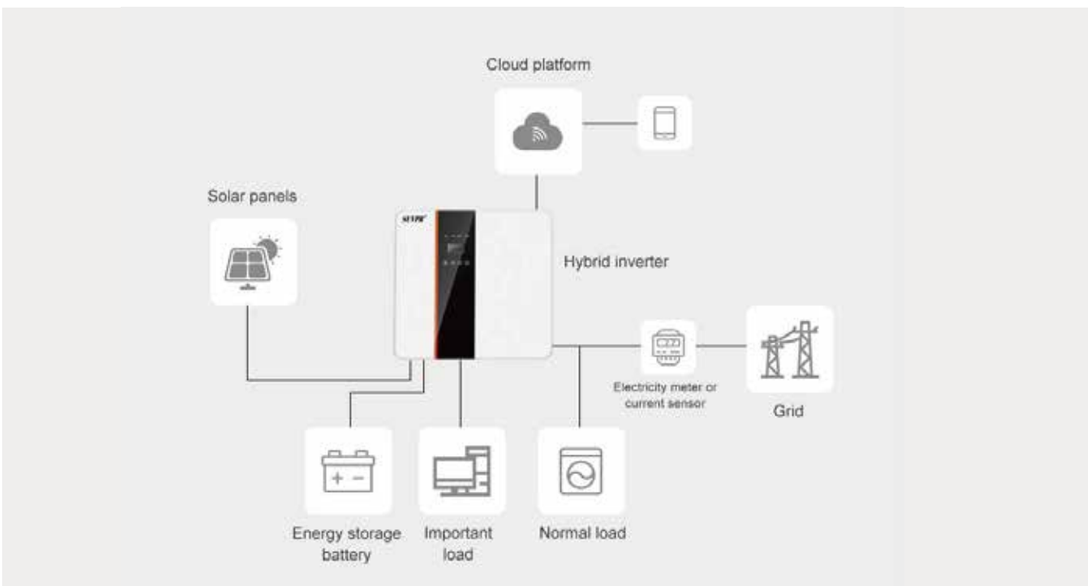
- Passed IEC/EN62109-1/-2, IEC/EN62477-1, South Africa NRS097-2-1:2017, IEC/EN 61000-6-1, IEC/EN 61000-6-3 test certification
- Compatible anti counter flow function
- Battery reverse connect protection

Economical & practica

- Support intelligent EMS management function
- Support on/off-grid automatic switching function to ensure uninterrupted power when important loads are off-grid
- Power dispatching and demand side response management node
- Distributed virtual power station management node

Application Scenario





Model	SNE3K-D1	SNE3.6K-D1	SNE4K-D1	SNE4.6K-D1	SNE5K-D1	SNE6K-D1
Input (PV)						
Max. input power(kW)	4600W		6000W		7000W	
Max. DC voltage(V)	550V					
MPPT voltage range(V)	125V-500V					
Max.input current of single MPPT(A)	14A					
MPPT tracker/strings	2/1					
AC output						
Rated output power(kVA)	3000VA	3600VA	4000VA	4600VA	5000VA	6000VA
Max. output current(A)	13A	16A	17.4A	20A	21.7A	26A
Grid voltage/range(V)	230Vac /176Vac~270Vac					
Frequency (Hz)	50 /60Hz					
PF	0.8lagging -0.8leading					
THDI	<3%					
AC output topology	L+N+PE					
Battery						
Battery voltage range(V)	40~58V					
Max. charging voltage(V)	58V					
Max. charge/discharge current(A)	95A/62.2A	95A/75A	95A/83.3A	95A/95.8A	95A/104.2A	95A/110A
Battery type	lithium /Lead-acid					
Communication interface	CAN/RS485					
EPS output						
Rated power (VA)	3000VA	3600VA	4000VA	4600VA	5000VA	6000VA
Rated output voltage(V)	230Vac					
Rated output current(A)	13A	16A	17.4A	20A	21.7A	26A
Rated frequency (Hz)	50 /60Hz					
Automatic switching time (ms)	<20ms					
THDU	<2%					
Overload capacity	110%, 30S/120%,10S/150%,0.02S					
General data						
Battery chage/dischage efficiency	95.0%					
DC Max. efficiency	97.6%					
Europe efficiency	97.0%					
MPPT efficiency	99.9%					
Ingress protection	IP65					
Noise emission (dB)	<35dB					
Operation temperature	-25～+60℃					
Cooling	Natural					
Relative humidity	0 ~95% (non -condensing)					
Altitude	2,000m(>2,000 Derating)					
Dimensions W*D*H (mm)	550/200/515mm					
Weight (kg)	25kg					
Isolation transformer	无					
Self-consumption(W)	<3W					
Display and communication						
Display	LCD					
Interface:RS485/Wifi/4G/ CAN/DRM	Yes/ Opt/ Opt/ Yes/ Yes					
Safety standard	IEC/EN62109-1/-2, IEC/EN62477-1					
EMC	IEC/EN61000-6-1, IEC/EN61000-6-3					
On-grid	South Africa NRS097-2-1:2017, UK G98,G99					