



# 04 LINE PRODUCT

## SINGLE PHASE HYBRID INVERTER



Villa



Residential use



Farm



Communication

### PRODUCT FEATURES

#### 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;

#### Smart&efficient

- 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

Model number	SNE3K-D1	SNE3.6K-D1	SNE4K-D1	SNE4.6K-D1	SNE5K-D1	SNE6K-D1
<b>Input(PV)</b>						
Max.PV power ( KW )	4.6KW	4.6KW	6KW	6KW	7KW	7KW
Max.input voltage(V)				550V		
MPPT voltage range (V)				125V-500V		
Max. input current(A)				14A		
MPPT tracker/strings				2/1		

<b>Output(Ac)</b>						
Rated output power(KVA)	3KVA	3.68KVA	4KVA	4.6KVA	5KVA	6KVA
Max. output current(A)	13A	16A	17.4A	20A	21.7A	26A
Grid voltage range(V)				230VAC /176VAC~270VAC		
Grid frequency(Hz)				50 /60Hz		
PF				0.8lagging-0.8leading		
THDi				<3%		
Grid connention type				L+N+PE		

<b>EPS output</b>						
Rated power(KVA)	3KVA	3.68KVA	4KVA	4.6KVA	5KVA	6KVA
Rated output current(A)	13A	16A	17.4A	20A	21.7A	26A
Rated output voltage(V)				230V		
Automatic switch time (MS)				<20MS		
Rated output frequency(Hz)				50 /60Hz		
THDU				<2%		
Overload				110%, 30S/120%, 10S/150%, 0.02S		

<b>Battery</b>						
Battery voltage range(V)				40~58V		
Max.charging voltage(V)				58V		
Max. discharge / charge current(A)	95A/62.2A	95A/75A	95A/83.3A	95A/95.8A	95A/104.2A	95A/110A
Battery type				Lithium / Lead acid		
Communication				CAN/RS485		

<b>General data</b>						
Battery charge discharge efficiency				95%		
Max. efficiency				97.6%		
Europe efficiency				97%		
MPPT efficiency				99.9%		
Ingress protection				IP65		
Noise emission				<35DB		
Ambient temperature				-25 ~ +60°C		
Cooling concept				Natural convection		
Relative humidity				0 ~95% ( non-condensing )		
Altitude				2,000m(>2,000 Derating)		
DimensionW *D *H (MM)				550/200/515MM		
Weight ( KG )				25KG		
Self-consumption				<3W		

<b>Display&amp;communication</b>						
Display				LCD		
Communication				RS485/Wifi/Lan/CAN/DRM		
Safety				IEC/EN62109-1/-2, IEC/EN62477-1		
EMC				IEC/EN 61000-6-1, IEC/EN 61000-6-3		
On grid				South Africa NRS097-2-1:2017, UK G98,G99		