

## THREE PHASE HYBRID INVERTER



Industrial&Commercial



Micro grid



PV EV Charging station

## PRODUCT FEATURES

### Simple&flexible

- Integrated PV and energy storage modules
- Wide input voltage range

### Safe & reliable

- IP65, all-aluminum design, built-in lightning protection, high precision leakage protection;
- Passed IEC62109-1/-2, EN61000-6-1/-2/-3, IEC61000, AS4777.2
- South Africa : NRS097-2-1:2017certification

### Economical & efficient

- Maximum efficiency  $\geq 98.2$

- Small size ,wall-mounted , IP65 , saving installation space
- Support dual-glass PV connenction

### Intelligent management

- Support intelligent EMS management function;
- Power dispatch and demand side response management node
- Support on/off-grid automatic switching function to ensure uninterrupted power when important loads are off-grid;
- Support three-phase unbalance

Model number	SNE20K-G3	SNE30K-G3	SNE40K-G3	SNE50K-G3	SNE60K-G3
<b>Input(PV)</b>					
Max. power(KW)	26KW	36KW	48KW	60KW	72KW
Max. DC voltage(V)	1000V				
MPPT voltage range(V)	180V-900V/630V				
MPPT tracker/strings	2/2	2/2/2/2	2/2/2/2	2/2/2/2	2/2/2/2
Maximum input current of each component (A)	23A*2	36A*3	36A*3	36A*4	36A*4
Input short-circuit current of each component (A)	30A/30A	42A/42A/42A	42A/42A/42A	42A/42A/42A/42A	42A/42A/42A/42A
<b>Output(AC)</b>					
Rated output power(KW)	20KW	30KW	40KW	50KVA	60KW
Max. visible power ( KVA )	20KVA	30KVA	40KVA	50KVA	60KVA
Max. output current(A)	31A	45A	60A	75A	87A
Rated grid voltage (V)	400V, 3L+N+PE				
Grid frequency (Hz)	50 /60Hz				
PF	1(0.8leading...0.8lagging)				
AC output topology	3L+N+PE				
<b>EPS output</b>					
Rated power(KW)	20KW	30KW	40KW	50KVA	60KW
Max. visible power ( KVA )	20KVA	30KVA	40KVA	50KVA	60KVA
Max. single-phase apparent output power (KVA)	10KVA	10KVA	13KVA	17KVA	20KVA
Rated output voltage(V)	380V, 3L+N+PE	400V, 3L+N+PE	400V, 3L+N+PE	400V, 3L+N+PE	400V, 3L+N+PE
Rated output current(A)	31A	45A	60A	75A	87A
Rated output frequency(Hz)	50Hz /60Hz				
Automatic switching time(ms)	<10MS				
THDU	<3%				
Overload capacity	110%, 30S/120%, 10S/150%, 0.02S				
<b>Protection</b>					
Protection	AC overcurrent/ground fault detection/grid monitoring/residual current detection				
<b>Battery</b>					
Battery voltage range ( V )	180V~700V		220V~800V		
Max. input/output voltage ( V )	700V		800V		
Max. charge/discharge current(A)	50A		100A		
Battery type	lithium /Lead-acid				
Communication	CAN/RS485				
<b>General data</b>					
Max. efficiency	$\geq 98.2\%$				
Ingress protection	IP65		IP54		
Self-consumption(W)	<1W				
Noise emission(dB)	<45DB		<40DB		
Operation temperature	-25~+60°C				
Cooling	Fan cooling				
Relative humidity	0 ~100% ( non-condensing )		5 ~90% ( non-condensing )		
Altitude			2,000m(>2,000 Derating)		
Dimensions W *D *H (mm)	505*630*220MM		800*600*280MM		
Weight ( KG )	24KG		50KG		
Isolation transformer	NO				
<b>Communication and display</b>					
Display	LCD				
Communication	RS485/Wifi/GPRS				
Safety standard	IEC62109-1/-2				
EMC	EN61000-6-1/-2/-3, IEC61000				
On grid	AS4777.2 , South Africa : NRS097-2-1:2017				