

THREE PHASE HYBRID INVERTER



Villa Residential use Farm Communication

PRODUCT FEATURES

Friendly & flexible

- Support multiple parallel connections, power and capacity can be expanded;
- Wide PV input voltage range 180V to 850V;
- Support diesel generator access;

PV & Storage System

- Integrated PV and energy storage, support for a variety of batteries, integrated EMS Smart energy management system;

Safe & Reliable

- IP65, all-aluminum design, built-in lightning protection, high precision leakage protection;

- Passed CE, IEC and grid connection test certification in Europe, South Africa, Germany and other countries;
- Battery reverse connection protection, anti-power control function;
- Support full power discharge, automatic management of battery charge and discharge

Smart&Simple

- Ultra-quiet design and flexible communication
- Support on/off-grid automatic switching function to ensure uninterrupted power when important loads are off-grid;

Model number	SNE8K-G3	SNE10K-G3	SNE12K-G3	SNE15K-G3
DC Input(PV)				
Max. power(KW)	12KW	15KW	18KW	22.5KW
Max. DC voltage(V)	1000V			
MPPT voltage range(V)	180V-850V			
Max input current of single MPPT(A)	13A			
MPPT tracker/strings	2/1		2/2	
AC Output				
Rated output power(KVA)	8KVA	10KVA	12KVA	15KVA
Max.output current(A)	12.7A	15.9A	19.1A	23.8A
Grid voltage/range(V)	400V /360V~440V			
Frequency (Hz)	50 /60Hz			
PF	0.8leading ~0.8lagging			
THDi	<3%			
AC output voltage (V)	3W+N+PE			
EPS Output				
Rated power (kVA)	8.8KVA	11KVA	13.2KVA	16.5KVA
Rated output current(A)	12.7A	15.9A	19.1A	23.8A
Rated output voltage(V)	400V			
Automatic switching time (ms)	<20MS			
Rated frequency (Hz)	50 /60			
THDU	<2%			
Overload capacity	110%, 30S/120%, 10S/150%, 0.02S			
Battery				
Voltage range(V)	125V ~ 600V			
Max. charging voltage (V)	600V			
Max.charge/discharge current (A)	210V	270V	300V	375V
Battery type	Lithium /Lead-acid			
Communication	CAN/RS485			
General data				
Battery charge/discharge efficiency	97.5%	97.5%	97.6%	97.8%
Max. Efficiency	97.9%	98.2%	98.2%	98.5%
Euro Efficiency	97.2%	97.5%	97.5%	97.6%
MPPT Efficiency	99.9%	99.9%	99.9%	99.9%
Ingress protection	IP65			
Noise Emission	≤ 25DB			
Operation Temperature	-35 ~ +60°C			
Cooling	Natural			
Relative Humidity	0 ~100% (non-condensing)			
Altitude	4000m(>2,000 Derating)			
Dimensions (W/D/H) mm	530*220*560MM			
Weight (KG)	30KG	30KG	31KG	32KG
Self-Consumption	<3W			
Display and communication				
Display	LCD / APP			
Communication	RS485/Wifi/Lan/CAN/DRM			
Safety standard	IEC/EN62109-1/-2, IEC/EN62477-1			
EMC	IEC/EN 61000-6-1, IEC/EN 61000-6-3			
On-grid	Europe : EN50549-1, Germany : VDE4105/0124 , UK : G99 , South Africa : NRS097-2-1:2017			