

# SINGLE PHASE HYBRID INVERTER

-   
Villa
-   
Residential use
-   
Farm
-   
Communication



## PRODUCT FEATURES

### Friendly & flexible

- LCD display , touch screen optional
- Support diesel generator connection
- Support parallel connenction
- 4 MPPT inputs

### Smart&efficient

- Max discharge/charge current 250A
- Multiple operation mode
- SupportWiFi , GPRS , 4G , APP monitoring

### Safe & reliable

- IP65 , all-aluminum design
- Lightning protection and high-precision leakage protection
- Complete protection functions



Model number	SNE7.6K-D1	SNE8K-D1	SNE10K-D1	SNE12K-D1
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### PV input

Max.PV power ( KW )	12KW	12KW	13KW	15.6KW
Max.input voltage(V)	500V			
MPPT voltage range (V)	120-500V			
Max. input current(A)	12A			
MPPT tracker/strings	4/1			

### Output(AC)

Rated output power(KVA)	7.6KVA	8KVA	10KVA	12KVA
Max. output power ( KVA )	8.4KVA	8.8KVA	11KVA	13.2KVA
Max. output current(A)	36.3A	38.3A	47.8A	57.4A
AC output voltage ( V )	220V,230V,240V			
Frequency ( Hz )	50Hz/60Hz(45-55,55-65)			
PF	0.8lagging-0.8leading			
THDI	<2%			

### EPS output

Rated power ( KVA)	7.6KVA	8KVA	10KVA	12KVA
Rated output voltage(V)	220V,230V,240V			
Rated frequency(Hz)	50/60Hz			
THDU	<2%			

### Battery

Rated voltage range(V)	40V-60V			
Rated voltage(V)	48V			
Max. discharge / charge current(A)	190A/190A	190/190A	210/210A	250/250A
Battery type	Lithium /Lead-acid			
Charging strategy	BMS adaptive			

### General data

Europe efficiency ( PV )	≥97.8%
Max. inverter efficiency	≥97.2%
Ingress protection	IP65
Noise emission ( DB )	<38DB
Operation temperature	-25°C-60°C
Cooling	fan cooling
Relative humidity	0 ~95% ( non-condensing )
Altitude	2,000m(> 2,000 Derating)
Dimensions W*D*H (mm)	430*220*710MM
Weight (kg)	41KG

### Protection function

Protection	Arc fault/islanding/reverse battery polarity/output overcurrent/backup output short circuit/output overvoltage/undervoltage
Ground detection	YES
Insulation resistance detection	YES
Residual current monitoring device	YES
Terminal temperature detection	YES

### Display and communication

Display	LCD , Touch panel (optional)
BMS/meter/EMS communication	RS485, CAN
Communication	RS485 , WLAN , 4G
Self-consumption(night)	<2.5 W ( <5 W )
Certification	South African NRS , IEC 62109-1/-2 , IEC 61000-6-1 , IEC 61000-6-3