ECO HYBRID INVERTER SNA5000/6000



- Intelligent offgrid & hybrid modes
- PV & AC power loads simultaneously
- Wide PV input voltage range
- Easy to use with battery
- Free monitoring & remote upgrade
- Single phase or unbalanced three phase
- Advanced Parallel, up to 50kW
- Separate generator interface available
- Host inverter automatically generated to manage entire system

INPUT (PV DC)	SNA 5000W	SNA 6000W
Max. PV array power(W)	8000 (4000/4000)	8000 (4000/4000)
Rated PV input voltage(V)	320	
Number of independent MPPT inputs	2	
PV input voltage range(V)	100~480	
MPPT voltage range(V)	120~385	
Start-up voltage(V)	100	
Max. PV input current per MPPT(A)	17/17	
Max. PV short-circuit current input per MPPT(A)	25/25	
Battery		
Compatible battery type	Lithium-ion/Lead-Acid	
Rated battery voltage(V)	48	
Battery voltage range(V)	38.4~60	
Max. charging/discharging current(A)	110/110	125/140
Max. charging/discharging power(W)	5000	6000
Recommend capacity of battery per inverter	>200AH	>200AH
Force wake up battery from PV function	YES	
Force wake up battery from Grid function	YES	
Grid		
Rated AC voltage(V)	230	
Rated AC frequency(Hz)	50/60	
Rated AC output current(A)	22	26.5
Rated AC output power(W)	5000	6000
PF	0.99 (Adjustable from 0.8 leading to0.8 lagging)	
THDI	<5%	
Rated AC current of BYPASS relays(A)	40	
UPS		
Rated output power(W)	5000	6000
Rated output voltage(V)	230	
Rated output current(A)	22	26.5
Rated output frequency(Hz)	50/60	
Surge power, duration	2Pn, <2s	
Switching time	<15ms@Single/ <30ms @Parallel	
Wave form	Sine wave	
THDV	3%	
Efficiency		
Max. MPPT efficiency	99%	
Max. efficiency	93%	
Max. charging efficiency	93%	
Max. discharging efficiency	93%	
Protection		
Over current/voltage protection	YES	
AC Short-circuit current protection	YES	
Grid monitoring	YES	
AC Surge protection Type III	YES	
Battery reverse polarity protection	YES	
General		
Dimensions(W *H* D)	330 * 505 * 135mm/13* 19.9* 5.3inch	
Weight	14.5kg/32lbs	
Ingress protection rating	IP20	
Operating environment temperature range	0~50°C	
Storage temperature range	-15~60°C	
Relative humidity	5~95%	
Display & Communication interface	LCD+LED, RS485/Wi-Fi/CAN	
Warranty	2 years	
Cooling method	Smart Cooling	
Topology	Transformer-less	
Altitude	<2000m	
Noise emission(typical)	<50dB	
Standards & Certification		
IEC 62109-1, IEC 61000, IEC62040/EN62040, IEC62109, NRS 097-2-1		