

SNA 3-6k Single phase

Reclaim
Your
Power

- Intelligent off-grid & hybrid modes
- Off-grid seamless switching
- Wide PV input voltage range
- Great battery compatibility
- Single phase/Unbalanced 3-Phase
- Support up to 16pcs in parallel
 - Host inverter automatically generated to manage the entire system
- Separate generator port available

SpecifiCation

INPUT (PV DC)	SNA 3000W		SNA 4000W		SNA 5000W	SNA 6000W
Max. PV array power(W)	6000 (3000/3000)		8000 (4000/4000)		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)	70	90	110		140	
Max. charging/discharging power(W)	3000	4000	5000		6000	
Recommend capacity of battery per inverter	>100AH	>200AH	>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)	13.5	17.5	22		26.5	
Rated AC output power(W)	3000	4000	5000		6000	
Max. AC input current(A)	26	35	35		39.5	
Max. AC input power(W)	6000	8000	8000		9000	
PF	0.99					
THDI	<5%					
Rated AC current of BYPASS relays(A)	40					
UPS						
Rated output power(W)	3000	4000	5000		6000	
Rated output voltage(V)	230					
Rated output current(A)	13.5	17.5	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	0.99					
Max. efficiency	0.93					
EU efficiency	/					
Max. charging efficiency	0.93					
Max. discharging efficiency	0.93					
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℃					
Storage temperature range	-15~60℃					
Relative humidity	5%~95%					
Display & Communication interface	LCD+LED, RS485/Wi-Fi/CAN					
Warranty	2years					
Cooling method	FAN					
Topology	Transformer-less					
Altitude	<2000m					
Noise emission(typical)	<50dB					
Standards & Certification						
IEC 62109-1, IEC 62109-2, IEC 61000						