

SNA 3-6K Single phase

- Off-grid seamless switching
- Wide PV input voltage range
- Single phase/Unbalanced 3-Phase
- Supports 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)	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)	70/70	90/90	110/110	125/140	
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	
PF	0.99(Adjustable from 0.8 leading to 0.8 lagging)				
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		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		2years			
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					