

# 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			
<b>Battery</b>				
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			
<b>Grid</b>				
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			
<b>UPS</b>				
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%			
<b>Efficiency</b>				
Max. MPPT efficiency	0.99			
Max. efficiency	0.93			
EU efficiency	/			
Max. charging efficiency	0.93			
Max. discharging efficiency	0.93			
<b>Protection</b>				
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			
<b>General</b>				
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	FAN			
Topology	Transformer-less			
Altitude	<2000m			
Noise emission(typical)	<50dB			
<b>Standards &amp; Certification</b>				
IEC 62109-1, IEC 62109-2, IEC 61000				