

# SNA 5-6k Split phase

- 240V/120V Output
- Intelligent off-grid & hybrid modes
- PV & AC take load jointly
- Wide PV input voltage range
- Single phase/Unbalanced 3-Phase.
- Paralleling up to 16 units
  - Host inverter automatically generated to manage the entire system
- Separate generator port available



## SpecifiCation

INPUT (PV DC)	SNA-US 5000	SNA-US 6000
Max. PV array power (W)	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)	110	140
Max. charging/discharging power(W)	5000	6000
Recommend max. capacity of battery per inverter	>200AH	
Force wake up battery from PV function	YES	
Force wake up battery from Grid function	YES	
<b>Grid</b>		
Rated AC voltage(V)	110(P-N)/220(P-P); 120(P-N)/240(P-P)	
Rated AC frequency(Hz)	50/60	
Rated AC output current(A)	23A@220V/21A@240V	28A@220V/25A@240V
Rated AC output power(W)	5000	6000
Max. AC input current(A)	36.5A@220V/33.5A@240V	41A@220V/37.5A@240V
Max. AC input power(W)	8000	9000
PF	0.99	
THDI	<5%	
Rated AC current of BYPASS relays(A)	40	60
<b>UPS</b>		
Rated output power(W)	5000	6000
Rated output voltage(V)	110/220; 120/240	
Rated output current(A)	23A@220V/21A@240V	28A@220V/25A@240V
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	99.0%	
Max. efficiency	93.0%	
Max. charging/discharging efficiency	93.0%	
<b>Protection</b>		
Over current/voltage protection(Y/N)	YES	
AC short-circuit current protection(Y/N)	YES	
Grid monitoring(Y/N)	YES	
AC Surge protection Type III	YES	
Battery reverse polarity protection(Y/N)	YES	
<b>General</b>		
Dimensions(W*H*D)	375*672*150mm/14.8*26.4*5.9inch	
Weight	14.5kg/33.1lbs	
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	FAN	
Topology	Transformer-less	
Altitude	<2000m	
Noise emission(typical)	<50dB	
<b>Standard &amp; Certification</b>		
IEC 62109-1, IEC 62109-2, IEC 61000, IEC 62040, EN 61000		

