

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		
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	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		
Grid			
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	
UPS			
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%		
Efficiency			
Max. MPPT efficiency	99.0%		
Max. efficiency	93.0%		
Max. charging/discharging efficiency	93.0%		
Protection			
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		
General			
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℃		
Storage temperature range	-15~60℃		
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		
Standard & Certification			
IEC 62109-1, IEC 62109-2, IEC 61000, IEC 62040, EN 61000			