

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			