

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)
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℃	
Storage temperature range					-15~60℃	
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						