

ECO HYBRID

LU X POWER<sup>TEK</sup>

# SNA 6kw Single phase

## SNA6000



- 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

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# SpecifiCation

INPUT (PV DC)		SNA 6000W
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)		38.460
Max. charging/discharging current(A)		140
Max. charging/discharging power(W)		6000
Recommend 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)		230
Rated AC frequency(Hz)		50/60
Rated AC output current(A)		26.5
Rated AC output power(W)		6000
Max. AC input current(A)		39.5
Max. AC input power(W)		9000
PF		0.99
THDI		<5%
Rated AC current of BYPASS relays(A)		40
UPS		
Rated output power(W)		6000
Rated output voltage(V)		230
Rated output current(A)		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		0.99
Max. efficiency		0.93
EU efficiency		/
Max. charging efficiency		0.93
Max. discharging efficiency		0.93
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
Weight		14.5kg
Ingress protection rating		IP20
Operating environment temperature range		050°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
Standards & Certification		
		IEC 62109-1, IEC 62109-2, IEC 61000