

ECO HYBRID

LUXPOWER^{TEK}

SNA 3-6k Single phase

Reclaim Your Power

- 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

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	90	110	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
Max. AC input current(A)	26	35	35	39.5
Max. AC input power(W)	6000	8000	8000	9000
PF		0.99		
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		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/13*19.9*5.3inch		
Weight		14.5kg/32lbs		
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		2years		
Cooling method		FAN		
Topology		Transformer-less		
Altitude		<2000m		
Noise emission(typical)		<50dB		
Standards & Certification				
IEC 62109-1, IEC 62109-2, IEC 61000				

Your Reliable
Energy Solution
Partner