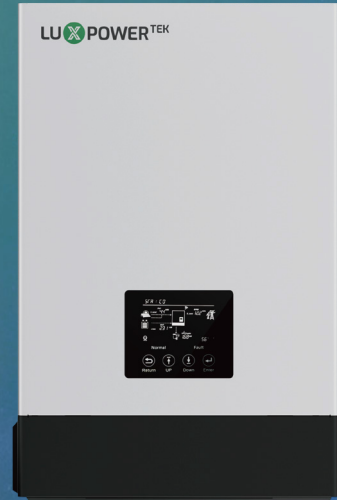


ECO HYBRID

Single-Phase

SNA 3-6K

- Off-grid seamless switching
- 2 MPPTs, Max. PV input: 9kW
- Wide PV input voltage range: 100~480V
- Supports up to 16pcs in parallel
- Max. charging and discharging current 140A
- Dedicated Port: Supports generator, AC coupling or smart load management for enhanced stability
- 24/7 real-time monitoring via LUX app with worry-free updates



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)	9000 (4500/4500)
Rated PV input voltage(V)			320	
Number of independent MPPT inputs			2/(1:1)	
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. charge/discharge current(A)	70/70	90/90	110/110	140/140
Max. charge/discharge 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 power(W)		8000		9000
PF		0.99 (Adjustable from 0.8 leading to 0.8 lagging)		
THDI			<5%	
Max. continuous AC passthrough current(A)			35	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			99.9%	
Max. efficiency			93.0%	
Max. charge efficiency			93.0%	
Max. discharge efficiency			93.0%	
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(°C)		0~50		
Storage temperature range(°C)		-15~60		
Relative humidity		5%~95%		
Display & Communication interface		LCD+LED, RS485/Wi-Fi/CAN		
Warranty		2 years		
Cooling method		Smart Cooling		
Topology		Transformer-less		
Altitude		<2000m		
Noise emission(typical)		<50dB		
Standards & Certification				
IEC 62109-1, IEC 61000, IEC62040/EN62040, IEC62109, NRS 097-2-1				