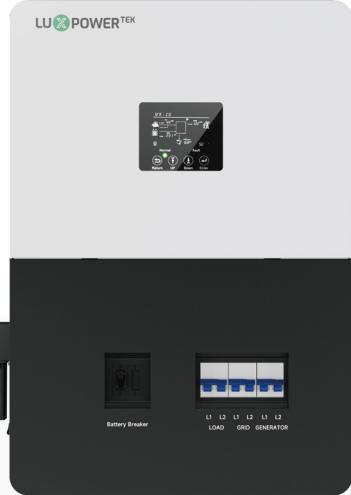


# ECO HYBRID

## Split-Phase

# SNA US 6K

- **240V/120V Output**
- **Off-grid seamless switch**
- **Split phase/Unbalanced 3-Phase**
- **Supports up to 16 units in parallel**
- **Automatically assigns a primary unit for the parallel inverter system**
- **Separate generator port available**



# Specification

Input (PV DC)		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. charge/discharge current(A)	125/140	
Max. charge/discharge power(W)	6000	
Force wake up battery from PV function	YES	
Force wake up battery from Grid function	YES	
Grid		
Rated AC voltage(V)	110(L-N)/220(L1-L2); 120(L-N)/240(L1-L2)	
Rated AC frequency(Hz)	50/60	
Max. AC input current(A)	41A@220V/37.5A@240V	
Max. AC input power(W)	9000	
Max. continuous AC passthrough current(A)	50	
GEN		
Rated GEN voltage(V)	120/240	
Rated GEN frequency(Hz)	50/60	
Rated GEN input current(A)	32	
Rated GEN input power(W)	7370	
Rated GEN current of BYPASS relays(A)	60	
UPS		
Rated output power(W)	6000	
Rated output voltage(V)	110/220; 120/240	
Rated output current(A)	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	99.9%	
Max. efficiency	93.0%	
Max. charge/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	
DC switch	YES	
Rapid shut down	YES	
AC breaker (Current/Voltage)	50A/230VAC	
Ups breaker (Current/Voltage)	50A/230VAC	
Battery breaker (Current/Voltage)	200A/80V/DC	
GEN breaker (Current/Voltage)	50A/230V/AC	
General		
Dimensions(W*H*D)	450*650*150mm/17.7*25.6*5.9inch	
Weight	24kg/53lbs	
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	
Standard & Certification		
CSA STD. C22.2 No.107.1, UL STD.1741		

\*Note: 115A @48VDC (AC), 125A @44VDC (AC), 125A @48VDC (PV)