

# 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.1071, UL STD.1741

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