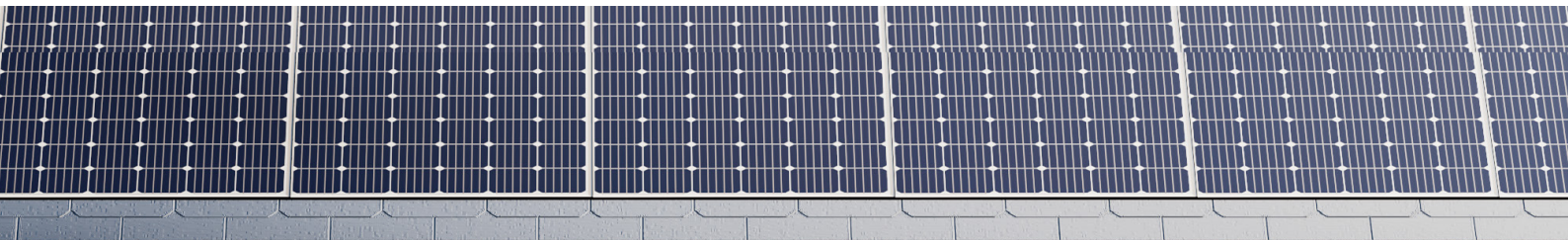


ECO HYBRID

SNA 3-6K (Single-Phase)

- Off-grid seamless switching 2 MPPTs, Max. PV input: 9.6kW
- Wide PV input voltage range: 100~500V
- Supports up to 18 units 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



Model	SNA 3K		SNA 4K		SNA 5K	SNA 6K
Input (PV DC)						
Max. PV input power (W)	6000 (3000/3000)		8000 (4000/4000)		8000 (4000/4000)	9600 (4800/4800)
Rated PV input voltage (V)	320					
Number of independent MPPT inputs	2/(1:1)					
PV input voltage range (V)	100~500					
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)	70/70	90/90	110/110		140/140	
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 power (W)	8000				9000	
PF	0.99					
THDI	<5%					
Max. continuous AC passthrough current (A)	35				40	
GEN						
Rated GEN voltage (V)	220/230/240					
Rated GEN frequency (Hz)	50/60					
Rated GEN input current (A)	32					
Rated GEN input power (W)	7370					
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, <5s					
Switching time	<10ms@Single/<20ms@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					
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 (m)	<2000					
Noise emission (typical)	<50dB					
Standards & Certification						