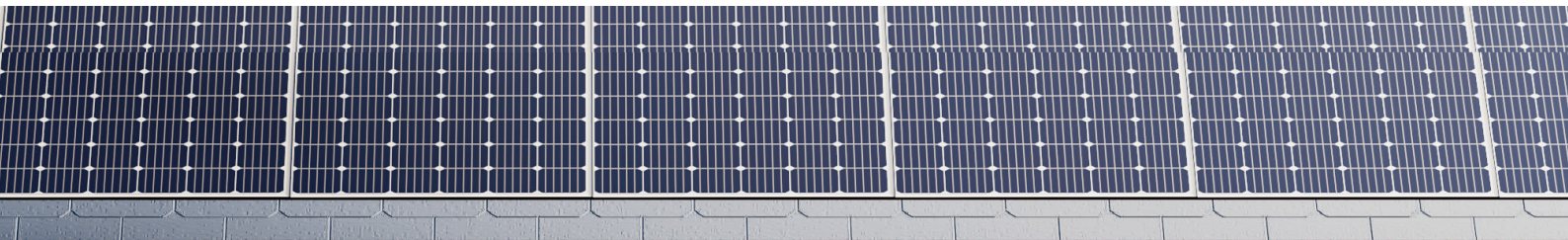


ECO HYBRID

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)							
Max. PV input voltage (V)	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	
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	2 × rated power for 5s							
Switching time	< 10 ms@Single / < 20 ms@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 × 135 mm / 13 × 19.9 × 5.3 in							
Weight	14.5 kg / 32 lbs							
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							
Max. Operating Altitude (m)	2000							
Noise emission (dB)	50							
Standards & Certification								