

ECO HYBRID

SNA2-EU-LT 10-14K (Single-Phase)

- Max. PV input: 24kW with 2 MPPTs
- Max. charging and discharging current: 270A
- Support up to 16 units in parallel for on/off grid
- Lite design for easier installation
- Support hybrid working modes
- Intelligent operating mode to lower energy costs & quick ROI
- Separate GEN port for
 - Auto start-stop
 - Working with the existing grid-tied system
 - Smart load management



Model	SNA2-EU-LT 10K		SNA2-EU-LT 12K	SNA2-EU-LT 14K
Input (PV DC)				
Max. PV input power (W)	18000 (9000/9000)		24000 (12000/12000)	
Rated PV input voltage (V)			320	
Number of independent MPPT inputs			2 / (2:2)	
Max. PV input voltage (V)			480	
MPPT voltage range (V)			120 ~ 440	
Start-up voltage (V)			100	
Max. PV input current per MPPT (A)	26 / 26		35 / 35	
Max. PV short-circuit current input per MPPT (A)	32.5 / 32.5		44 / 44	
Battery				
Compatible battery type	Lithium-ion / Lead-Acid			
Rated battery voltage (V)	48 / 51.2			
Battery voltage range (V)	46.4 ~ 60 / 38.4 ~ 60			
Max. charging / discharging current (A)	230		250	270
Max. charging / discharging power (W)	11000		12000	13000
Force wake up battery from PV and Grid function	YES			
Grid				
Rated AC voltage (V)	230			
AC Start-up Voltage	90			
Acceptable Input Voltage Range (V)	130 ~ 280			
Rated AC frequency (Hz)	50 / 60			
Rated AC input current (A)	100			
Rated AC input power (W)	24000			
PF	0.99			
THDI	< 5%			
Max. continuous AC passthrough current (A)	100			
GEN				
Rated GEN voltage (V)	230			
Rated GEN frequency (Hz)	50 / 60			
Rated GEN input current (A)	65			
Rated GEN input power (W)	15000			
UPS				
Rated output power (W)	10000		12000	14000 (with PV + Battery)
Rated output voltage (V)	230			
Rated output current (A)	43.5		52	61
Rated output frequency (Hz)	50 / 60			
Switching time (UPS)	< 10ms			
Wave form	Sine wave			
THDV	< 3%			
Overload protection	5s@≥1.5×10K / 10s@(1.1~1.5)×10K(Only Battery)		5s@≥1.5×12K / 10s@(1.1~1.5)×12K(Only Battery)	10s@≥1.18 ×12K (With PV+ Battery)
Efficiency				
Max. MPPT efficiency	99.0%			
Max. efficiency	93.5%			
Max. charge / discharge efficiency	93.0%			
Protection				
Over current / voltage protection (Y/N)	YES			
AC Short-circuit current protection (Y/N)	YES			
Grid monitoring (Y/N)	YES			
DC / AC Surge protection	Type III			
General				
Dimensions (W × H × D)	520 × 580 × 163 mm / 20.5 × 22.8 × 6.4 in			
Weight	32.5 kg / 71.7 lbs			
Ingress protection rating	IP20			
Operating environment temperature range (°C)	0 ~ 45			
Storage temperature range (°C)	-15 ~ 60			
Relative humidity	5% ~ 95%			
Display & Communication interface	LCD + RGB, RS485 / Wifi / CAN			
Warranty	2 years			
Cooling method	Smart cooling			
Topology on AC / Battery side	Transformerless / Transformer			
Max. Operating Altitude (m)	2000			
Noise emission (dB)	55			
Standard & Certification				