

ECO HYBRID

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

- Max. PV input: 24kW with 2 MPPTs
- Max. charging and discharging current: 250A
- 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)		< 10 ms	
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		Transformer-less / Transformer	
Max. Operating Altitude (m)		2000	
Noise emission (dB)		55	
Standard & Certification			
NRS 097, EN 62109-1/-2			