LUXPOWERTEK

ECO HYBRID*

SNA2-EU-LT 4.5K

(Single-Phase)



500V
Max. PV input voltage

6.5kW
Max. PV input power

110%
Continuous output capability

- 24/7 remote monitoring via App
- EQ for improved battery performance and lifespan
- Smart dual-output load management
- Flexible battery activation & energy management

*Available as Eco Hybrid solution in selected markets

SPECIFICATIONS

Model	SNA2-EU-LT 4.5K/24V
Input (PV DC)	
Max. PV array power (W)	6500
Number of independent MPPT inputs	1
Max. PV input voltage (V)	500
MPPT voltage range (V)	60 ~ 440
Start-up voltage (V)	65
Max. PV input current per MPPT (A)	27
Max. Short-circuit current per MPPT (A)	35
Battery	
Compatible battery type	Lithium-ion / Lead-acid
Rated battery voltage (V)	25.8
Max. AC charge current (A)	140
Max. PV charge current (A)	140
Max. PV+AC charge current (A)	140
Max. discharging current (A)	160
Force wake up battery from PV&Grid function	YES
Grid	
Rated AC voltage (V)	230
Rated AC frequency (Hz)	50 / 60
AC voltage range (V)	170-280VAC(For Personal Computer); 90-280VAC(For Home Appliances)
Rated AC input current (A)	19.6
Rated AC input power (W)	9000
PF	0.99
THDI	< 3%
Max. continuous AC passthrough current (A)	50
GEN	
Rated GEN voltage (V)	230
Rated GEN frequency (Hz)	50 / 60
Rated GEN input current (A)	19.7
Rated GEN input power (W)	4500
UPS	
Rated output power (W)	4500 (PV+BAT)
Rated output voltage (V)	220 / 230VAC + 5%
Rated output current (A)	19.6
Rated output frequency (Hz)	50 / 60
Output port	Dual outputs
Surge power, duration	2 × rated power for 2s
Switching time (UPS)	10ms
Wave form	Sine wave
THDV	< 3%
Overload protection	5s@≥150% load; 10s@110%~150% load
Efficiency	
MPPT efficiency	99.0%
Max. efficiency	97.1%
Max. charge efficiency	93.0%
Max. discharge efficiency	93.4%
Protection	
Battery reverse polarity protection	YES
Over current / voltage protection	YES
AC short-circuit current protection	YES
DC surge protection	Type III
AC surge protection	Type III
General	
Dimensions (W × H × D)	307×482×124 mm / 12.09×18.98×4.88 in
Weight	8.9kg / 19.6 lbs
Ingress protection rating	IP21
Relative humidity	5% ~ 95%
Operating environment temperature range (°C)	-10 ~ 45 (> 40 °C Derating)
Storage temperature range (°C)	-15 ~ 60
Display & Communication interface	LCD+LED; WIFI
Warranty	2 years
Topology on AC / Battery side	Transformerless / Transformer
Cooling method	Smart Cooling
Max. operating altitude (m)	2000