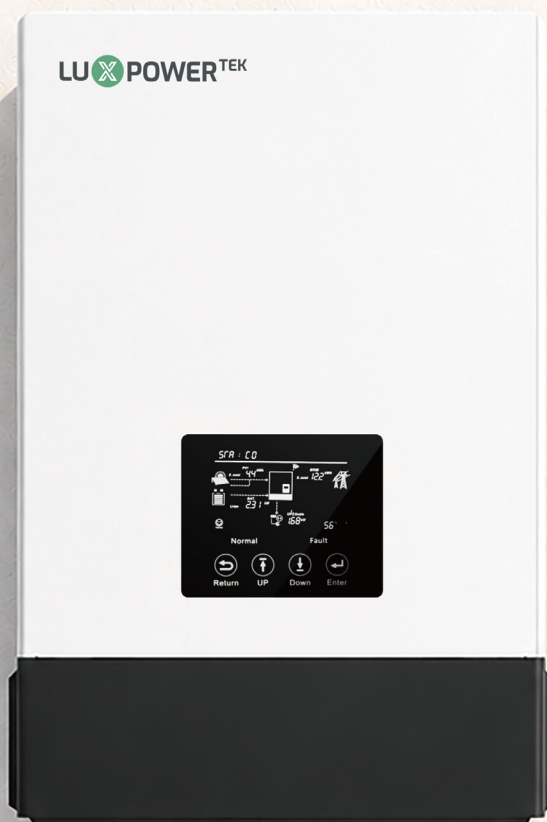


LU X POWER^{TEK}

ECO HYBRID //

SNA 3-6K



9.6kW

Max. PV input



140A

Max. charge/discharge



100~500V

PV input voltage

- | | | | |
|-------------------------------|------------------------------------|---|---|
| • Off-grid seamless switching | • Supports up to 18pcs in parallel | • 24/7 real-time monitoring via LUX app | • Dedicated ports for Generator, Smart load and AC coupling |
|-------------------------------|------------------------------------|---|---|

SPECIFICATIONS

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)	13.04		17.39		21.74		26.09	
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)	13.04		17.39		21.74		26.09	
Rated output frequency (Hz)	50 / 60							
Surge power, duration	2 × rated power for 5s							
Switching time	<7ms@Single / <20ms@Parallel							
Wave form	Sine wave							
THDV	3%							
Efficiency								
Max. MPPT efficiency	99.9%							
EU efficiency	93.5%							
Max. efficiency	95.0%							
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	Transformerless							
Max. operating altitude (m)	2000							
Noise emission (dB)	50							
Standards & Certification								