

HYBRID SERIES

LXP-LB-US 5-10K

- 2 MPPTs with 4 strings input, Max. PV input 15kW
- Supports up to 10pcs in parallel for on/off grid
- On/off grid seamless switching
- Peak shaving function
- AFCI protection integrated
- Breakers (Grid, Gen, Load and Battery) are integrated
- Separate port for
 - Generator connection
 - Auto generator control
 - Support generator exercise
 - Support generator boost function
 - Or smart load connection and auto control
 - Or AC coupling function



| Model | LXP-LB-US 5K | LXP-LB-US 8K | LXP-LB-US 10K |
|---|---|-------------------------|-----------------------|
| Input (PV DC) | | | |
| Max. PV input power (W) | 8000 | 12000 | 15000 |
| Rated PV input voltage (V) | | 360 | |
| Number of independent MPPT inputs | | 2 / (2:2) | |
| Max. PV input voltage (V) | | 600 | |
| MPPT voltage range (V) | | 120 ~ 500 | |
| Start-up voltage (V) | | 140 | |
| Max. PV input current per MPPT (A) | | 25 / 25 | |
| Max. PV short-circuit current input per MPPT (A) | | 31 / 31 | |
| Battery | | | |
| Compatible battery type | Lithium-ion / Lead-Acid | | |
| Rated battery voltage (V) | 48 | | |
| Battery voltage range (V) | 40 ~ 60 | | |
| Max. charging / discharging current (A) | 115 | 167 | 210 |
| Max. charging / discharging power (W) | 5000 | 8000 | 10000 |
| Force wake up battery from PV function | YES | | |
| Grid | | | |
| Rated AC voltage(V) | 120 / 240; 120 / 208 | | |
| Rated AC frequency (Hz) | 50 / 60 | | |
| Rated AC output current | 20.8A@240V / 24A@208V | 33.3A@240V / 38.5A@208V | 41.6A@240V / 48A@208V |
| Rated AC output power (W) | 5000 | 8000 | 10000 |
| Max. AC input current (A) | 40 | 63 | 63 |
| PF | 0.99 (Adjustable from 0.8 leading to 0.8 lagging) | | |
| THDI | 3% | | |
| UPS | | | |
| Rated output power (W) | 5000 | 8000 | 10000 |
| Rated output voltage (V) | 120 / 240; 120 / 208 | | |
| Rated output current (A) | 20.8A@240V / 24A@208V | 33.3A@240V / 38.5A@208V | 41.6A@240V / 48A@208V |
| Rated output frequency (Hz) | 50 / 60 | | |
| Surge power, duration | 2 × rated power for 0.5s | | |
| Switching time | 20ms | | |
| Wave form | Sine wave | | |
| THDV | < 3% | | |
| GEN | | | |
| Rated GEN voltage (V) | 120 / 240; 120 / 208 | | |
| Rated GEN frequency (Hz) | 50 / 60 | | |
| Rated GEN input current (A) | 41.7 | 62.5 | |
| Rated GEN input power (W) | 10000 | 15000 | |
| Efficiency | | | |
| Max. MPPT efficiency | 99.9% | | |
| Max. efficiency | 97.5% | | |
| Battery charge/discharge efficiency | 94.0% | | |
| CEC efficiency | 96.4% | | |
| Protection | | | |
| PV reverse polarity protection | YES | | |
| Over current/voltage protection | YES | | |
| Anti-islanding protection | YES | | |
| AC short-circuit protection | YES | | |
| Leakage current protection | YES | | |
| DC switch | YES | | |
| AC/DC surge protection | YES | | |
| Rapid shut down | YES | | |
| Grid / AFCI / RSD monitoring | YES | | |
| Grid / GEN breaker (Current / Voltage) | 63A / 480V | | |
| Load breaker (Current / Voltage) | 63A / 480V | | |
| Battery breaker (Current/Voltage) | 250A / 80V | | |
| General | | | |
| Dimensions (W × H × D) | 520 × 750 × 285 mm / 20.5 × 29.5 × 11.2 in | | |
| Weight | 50 kg / 110 lbs | | |
| Ingress protection rating | IP65 / NEMA 4X | | |
| Relative humidity | 0 ~ 100% | | |
| Operating environment temperature range (°C) | -25 ~ 60°C, > 45°C Derating | | |
| Storage temperature range (°C) | -25 ~ 60 | | |
| Display & Communication interface | Touch color screen, RS485 / Wi-Fi / CAN | | |
| Warranty | 5 / 10 years | | |
| Cooling method | Smart Cooling | | |
| Topology | Transformerless | | |
| Max. Operating Altitude (m) | 2000 | | |
| Standards & Certification | | | |
| UL1741SA, UL1741SB, CSA22.2, UL1741PCS CRD, CEC, FCC Part15B, IEEE1547.1. | | | |