

HYBRID SERIES

Split Phase

LXP-LB-US 12k



- AC-coupling function
- Peak shaving function
- Smart load control
- Paralleling up to 6 units
- 12kW UPS output single phase
- LCD color touch screen
- 3 MPPT input, maximum up to 18 kW
- 200A AC bypass currently
- Separate generator interface available
- Loads & Battery breakers are integrated
- Integrated UPS module, on/off grid seamless switching under 20ms



NOTE

Equipment Protection Level: IP65



SpecifiCation

| INPUT (PV DC) | LXP-LB-US 12k |
|---|---------------------------------|
| Max. PV array power | 18000W |
| DC input voltage range | 100 to 600V |
| Rated DC input voltage | 360V |
| MPP voltage range | 230 to 500V |
| Min. input voltage / initial input voltage | 100V / 140V |
| Max. DC input current | A : 25A / B : 15A / C : 15A |
| Number of independent MPP inputs | 3 (A : 2 / B : 1 / C : 1) |
| Max. DC short-circuit current input per MPPT | A : 34A / B : 17A / C : 17A |
| Battery | |
| Compatible battery type | Lithium-Ion / Lead-Acid |
| Rated battery Voltage | 48V |
| Battery voltage range | 40 to 60V |
| Max. charging / discharging current | 250A / 250A |
| Max. charging / discharging power | 12000W |
| Grid | |
| Rated AC output power(@208V , 50Hz / 60Hz / 240V , 50Hz / 60Hz) | 10400W / 12000W |
| Rated AC voltage | 208V / 240V Split phase |
| AC voltage range | 180 to 270V |
| Max.Continuous AC Current (240V / 208V) | 50A |
| Rated grid frequency | 50Hz / 60Hz (Auto adapting) |
| UPS | |
| UPS Max. Output Power without PV | 12000W |
| UPS rated output voltage | 208V / 240V Split phase |
| UPS rated output frequency | 50Hz / 60Hz |
| UPS rated output current (240V / 208V) | 50A / 57.7A |
| THDv | < 3% |
| Peak power without PV , Duration | 24000W , 500ms |
| Switching time | < 20ms |
| Efficiency | |
| MPPT Efficiency | 99.90% |
| Max. Efficiency | 97.50% |
| EU Efficiency | 96.50% |
| Battery Charging Efficiency | 95% |
| Battery Discharging Efficiency | 94.50% |
| Protection | |
| PV reverse polarity protection | YES |
| Anti-islanding protection | YES |
| AC short-circuit current protection | YES |
| Leakage current protection | YES |
| Grid monitoring | YES |
| DC switch | YES |
| Ingress protection rating | IP65 / NEMA4X |
| Surge protection device (SPD) protection | YES |
| Arc Fault Circuit Interrupter(AFCI) (US only) | YES |
| Rapid shutdown (RSD) (US only) | YES |
| General | |
| Dimension (W / H / D) (mm) | 790 / 520 / 285 |
| Weight | 55kg |
| Display & communication interface | Color LCD , RS485 , Wi-Fi , CAN |
| Topology | Transformerless |
| Operating environment temperature range(C) | -25 to 60 C |
| Cooling method | FAN |
| Standards | |

US Verson UL 1741; 2021.CA C22.2+1071:2016.CSA C222+330:2017 EEE1547:2018, E1547.1:2020 HECO SRD.EEE-15471:2020 CEC