

## Hybrid Inverter

# LXP-LB-US 12kW LXP-LB-EU 12kW

- 12kW EPS Output
- 3 units Paralleling
- AC Coupling Function
- 3 MPPT Input for max input 18kW
- Separated Generator Input
- 200AAC Passthrough Current
- PV Module Monitoring
- Peak Shaving Function
- Color LCD, Touch Screen



| Battery Parameters                     |  | 12K  |
|--|--|--|
| Compatible Battery Type                |  | Lead-acid/Lithium  |
| Nominal Battery Voltage                |  | 48V  |
| Battery Voltage Range                  |  | 40V-60V  |
| Maximun Charging/Discharging Current   |  | 250A/250A  |
| Maximun Charging/Discharging Power     |  | 12000W   |
| Input DC(PV Side)                      |  |  |
| Max. PV Input Power                    |  | 18000W   |
| DC Input Voltage Range                 |  | 100V-600V  |
| Nominal DC Input Voltage               |  | 360V   |
| Full Power MPPT Voltage Range          |  | 230-500V   |
| Max. DC Input Current                  |  | 25A/15A/15A  |
| MPPT Number/(Strings per MPPT)         |  | 3(2/1/1)   |
| Max. short current per MPPT            |  | 34A / 17A/17A  |
| Output /Input AC(Grid)                 |  |  |
| Nominal Power                          |  | 12000W   |
| Nominal AC Voltage (US Version)        |  | 240 V  |
| Nominal AC Voltage (EU Version)        |  | 230 V  |
| Operating Voltage Range                |  | 180V-270V  |
| Max. Continuous AC Current             |  | 50A@240V<br>50A@230 V  |
| Nominal AC Frequency                   |  | 50Hz/60Hz  |
| UPS Output-with Battery                |  |  |
| UPS Max. Output Power                  |  | 12000W   |
| UPS Nominal Output Voltage (US Verion) |  | 208V/240 V Split phase   |
| UPS Nominal Output Voltage (EU verion) |  | 230 V  |
| UPS Nominal Output Frequency           |  | 50Hz/60Hz  |
| UPS Nominal Output Current             |  | 50A@240V<br>57.7A@208V   |
| Peak Power                             |  | 2*Pn.0.5s  |
| Switching Time                         |  | <20ms  |
| Efficiency                             |  |  |
| MPPT Efficiency                        |  | 99.9%  |
| Max. Efficiency                        |  | 97.5%  |
| EU Efficiency                          |  | 96.5%  |
| Battery Charging Efficiency            |  | 95%  |
| Battery Discharging Efficiency         |  | 94.5%  |
| Protection                             |  |  |
| Anti-islanding Protection              |  | YES  |
| DC Switch                              |  | YES  |
| Ingress Protect Degree                 |  | IP65   |
| SPD Protection                         |  | YES  |
| AFCI                                   |  | OPT  |
| RSD                                    |  | OPT  |
| General Data                           |  |  |
| Dimension(mm)                          |  | 670 * 490 * 265 (26.3*19.3*10.4 inch)  |
| Weight                                 |  | 50kg (110.2 lbs)   |
| Display                                |  | Color LCD  |
| Topology                               |  | Transformer-less   |
| Ambient Temperature Range              |  | -25-60°C   |
| Cooling                                |  | FAN  |
| Communication                          |  | RS485/wi-Fi/CAN  |
| Standard & Certification               |  |  |
| EU Version                             | NRS 097  | NRS 097  |
| US Version                             | UL 1741: 2021<br>CSA C 22.2#107.1:2016<br>CSA C 22.2#330:2017<br>IEEE1547:2018<br>IEEE1547.1:2020<br>HECO SRD.IEEE-1547.1:2020 | UL 1741: 2021<br>CSA C 22.2#107.1:2016<br>CSA C 22.2#330:2017<br>IEEE1547:2018<br>IEEE1547.1:2020<br>HECO SRD.IEEE-1547.1:2020 |