

**More Usable Energy**  
90% depth of discharge

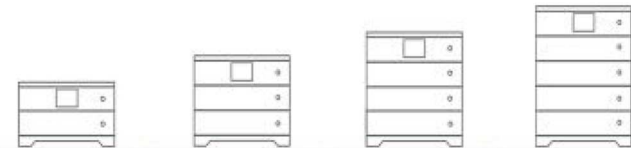
**Highly Integrated**  
All-In-One design

**Easy Installation**  
Stacked design for both battery and inverter

**High Expansibility**  
Scalable from 5.12kWh to 20.48kWh

**Smart Display Screen**  
Touchscreen-control.Real-time battery status display

**Perfect Compatibility**  
Compatible with mainstream inverter brand



| Model                          | LVTS-512100-1-AIO                                |  | LVTS-512100-2-AIO |  | LVTS-512100-3-AIO |  | LVTS-512100-4-AIO |  |
|--------------------------------|--------------------------------------------------|--|-------------------|--|-------------------|--|-------------------|--|
| Inverter Module AIO-LS-5000W   |                                                  |  |                   |  |                   |  |                   |  |
| Battery input                  | 48VDC,117A                                       |  |                   |  |                   |  |                   |  |
| Type of battery                | Lithium                                          |  |                   |  |                   |  |                   |  |
| Rated power                    | 5000VA/5000W                                     |  |                   |  |                   |  |                   |  |
| AC output                      | 230VAC,50/60Hz,22A,1Φ                            |  |                   |  |                   |  |                   |  |
| AC charger mode                |                                                  |  |                   |  |                   |  |                   |  |
| AC input                       | 230VAC,50/60Hz,40A,1Φ                            |  |                   |  |                   |  |                   |  |
| Max.ac charge current          | 80A                                              |  |                   |  |                   |  |                   |  |
| Solar charger mode             |                                                  |  |                   |  |                   |  |                   |  |
| Max.pv Input voltage(VOC)      | 450VDC                                           |  |                   |  |                   |  |                   |  |
| Max. pv Input current          | 18A                                              |  |                   |  |                   |  |                   |  |
| MPPT voltage range             | 120~430VDC                                       |  |                   |  |                   |  |                   |  |
| Battery Module AIO-LVTS-512100 |                                                  |  |                   |  |                   |  |                   |  |
| Nominal voltage                | 51.2 Vdc                                         |  |                   |  |                   |  |                   |  |
| Nominal capacity               | 100 Ah                                           |  | 200 Ah            |  | 300 Ah            |  | 400 Ah            |  |
| Battery energy                 | 5.12 kWh                                         |  | 10.24 kWh         |  | 15.36 kWh         |  | 20.48 kWh         |  |
| Charge voltage                 | 55.68~56.16 Vdc                                  |  |                   |  |                   |  |                   |  |
| Discharge voltage              | 45.6~56.16 Vdc                                   |  |                   |  |                   |  |                   |  |
| Max charge current             | 50A                                              |  | 100A              |  | 150A              |  | 200A              |  |
| Max charge power               | 2500W                                            |  | 5000W             |  | 7500W             |  | 10000W            |  |
| Max discharge current          | 100A                                             |  | 200A              |  | 200A              |  | 200A              |  |
| Max discharge power            | 5000W                                            |  | 10000W            |  | 10000W            |  | 10000W            |  |
| Short circuit current          | 350 A                                            |  |                   |  |                   |  |                   |  |
| Display                        | SOC status indicator, LED indicator              |  |                   |  |                   |  |                   |  |
| Communication                  | RS232,RS485,CAN                                  |  |                   |  |                   |  |                   |  |
| Dimension( W×D×H mm )          | 650×380×365                                      |  | 650x380x503.5     |  | 650x380x642       |  | 650x380x780.5     |  |
| Weight (kg)                    | 45kg                                             |  | 87.5kg            |  | 130kg             |  | 172.5kg           |  |
| Working temperature            | -20°C~60°C                                       |  |                   |  |                   |  |                   |  |
| Storage temperature            | ≥25°C12 months; ≤35 °C,6 months; ≤45 °C,3 months |  |                   |  |                   |  |                   |  |
| Cell Technology                | LiFePO <sub>4</sub> , Lithium Iron phosphate     |  |                   |  |                   |  |                   |  |
| Cycle life                     | 6000 Cycles @ 90% DOD/25°C/0.5C, 60% EOL         |  |                   |  |                   |  |                   |  |
| Scalability                    | Max 15 batteries in parallel                     |  |                   |  |                   |  |                   |  |