



**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 |
|---------------------------------------|--|-------------------|-------------------|-------------------|
| <b>Inverter Module AIO-LS-5000W</b>   |  |                   |                   |                   |
| 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                                       |                   |                   |                   |
| <b>Battery Module AIO-LVTS-512100</b> |  |                   |                   |                   |
| 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                           | Max15batteries in parallel                       |                   |                   |                   |