



5.3KWH

BMS communication protocol is compatible with the following brands of inverters

| Brand                                                                                                       | Protocol | Baud Rate | Brand                                                                                                    | Protocol | Baud Rate |
|-------------------------------------------------------------------------------------------------------------|----------|-----------|----------------------------------------------------------------------------------------------------------|----------|-----------|
|  GOODWE                  | CAN      | 500K      |  SOROTEC              | CAN      | 500K      |
|  PYLONTECH               | CAN      | 500K      |  MEGAREVO             | CAN      | 500K      |
|  victron energy          | CAN      | 500K      |  Voltronic Power      | RS485    | 9600      |
|  Growatt                 | CAN      | 500K      |  srne                 | RS485    | 9600      |
|  LUXPOWER <sup>TEK</sup> | CAN      | 500K      |  Deye 德業 <sup>®</sup> | CAN      | 500K      |
|  MUST 美世乐                | CAN      | 500K      |  SMA                  | RS485    | 9600      |
|  SUN SYNK <sup>®</sup>   | RS485    | 9600      |  solis                | RS485    | 9600      |

# Product Parameters

## PLB530



| ITEM                               | SPECIFICATIONS                                                     |
|------------------------------------|--------------------------------------------------------------------|
| Model                              | PLB530                                                             |
| Rated Capacity                     | 104Ah                                                              |
| Nominal Voltage                    | 51.2V                                                              |
| Design Capacity                    | 5.3KWH                                                             |
| Equalized Charge Voltage           | 58.4V                                                              |
| Float Charge Voltage               | 54.4V                                                              |
| Max.Continuous Charging Current    | 100A                                                               |
| Max.Continuous Discharging Current | 100A                                                               |
| Max C Rating                       | 1C                                                                 |
| Monitoring                         | WIFI / WEB                                                         |
| Parallel                           | Parallel Connection up to 15 packs with full communications        |
| Ports                              | 1x CAN-Bus, 3xRS485, 1xRS232                                       |
| Cells                              | Prismatic LiFePO4                                                  |
| Design Life                        | +/-15 Years                                                        |
| Cycle Life                         | Above 6000 cycles @80% DOD, +/-3500 cycles @100% DOD               |
| Certification                      | CE / UN38.3 / MSDS                                                 |
| Purer Package Material             | White bake lacquer steel case                                      |
| Operating Temperature              | Charging: 0 to +55°C   Humidity :15% to 75%   Storage:10 to +50°C  |
| Protection                         | Electronic Circuit Breaker,BMS Voltage Protection,Current Limiting |
| Weight                             | Approx.47.3kg                                                      |
| Dimensions(W*D*H)mm                | 410mm X 570mm X 147mm                                              |

[www.protealithiumbatteries.co.za](http://www.protealithiumbatteries.co.za)

- \*Plus/minus 15 years Design Life
- \*Excellent Charging and Discharging
- \*Integrated Battery Management System (BMS) with current limiting function
- \*Built in protection against over-charge, over-discharge and over-heating.
- \*Low Self Discharge rate
- \*High Energy Density and conversion efficiency
- \*Great performance at high temperatures
- \*CAN Bus port & battery link ports seamlessly communicate with leading inverter brands
- \*Simple & neat wall mount installation
- \*CE and UN38.3 Certified.