

# Stackable A Series High Voltage LFP Batteries



| Basic Properties                                 | PBA-128100                                                   | PBA-192100      | PBA-256100      |
|--------------------------------------------------|--------------------------------------------------------------|-----------------|-----------------|
| Cell Type                                        | LiFePO <sub>4</sub> - Prismatic                              |                 |                 |
| Nominal Voltage                                  | 128V                                                         | 128V            | 256V            |
| Operating Voltage Range                          | 112V-140V                                                    | 168V - 211V     | 224V - 282V     |
| Nominal Capacity (*)                             | 100Ah                                                        |                 |                 |
| Nominal Energy Capacity                          | 12.8kWh                                                      | 19.2kWh         | 25.6kWh         |
| Max. Charge Voltage                              | 144V                                                         | 216V            | 288V            |
| Standard Charge/Discharge Current                | 50A / 50A                                                    |                 |                 |
| Max. Cont. Charge/Discharge Current              | 50A / 50A                                                    |                 |                 |
| Cycle Life (*)                                   | ≥4000 cycles                                                 |                 |                 |
| Normal Operating Temperature                     | 25°C                                                         |                 |                 |
| Charging Temperature                             | 0~50°C                                                       |                 |                 |
| Discharging Temperature (**)                     | -15~50°C                                                     |                 |                 |
| Storage Temperature                              | -10~60°C                                                     |                 |                 |
| Residual Capacity Loss                           | Monthly ≤ 4% (25°C ± 2C)                                     |                 |                 |
| Warranty                                         | 10 Years                                                     |                 |                 |
| Parallel Connection                              | No                                                           |                 |                 |
| Functional Properties                            |                                                              |                 |                 |
| Communication                                    | CAN, RS485                                                   |                 |                 |
| Scalibility                                      | Serial Pack Addition                                         |                 |                 |
| Cooling                                          | Natural                                                      |                 |                 |
| BMS Protections                                  | UV, OV, OC, UT, OT, SC                                       |                 |                 |
| LED Indicators                                   | Alarm, Run, SOC                                              |                 |                 |
| Circuit Breaker                                  | Yes (In Master BMS Unit)                                     |                 |                 |
| Compatible Inverter (***)                        | Pomega, Deye, Victron, Senergy, Growatt, Solplanet, Hopewind |                 |                 |
| Mechanical Properties                            |                                                              |                 |                 |
| Protection Level                                 | IP65                                                         |                 |                 |
| Humidity                                         | 0-85%RH (non-condensing)                                     |                 |                 |
| Altitude                                         | <3000 m                                                      |                 |                 |
| Dimension (WxDxH) (without connector and handle) | 648×200×1215 mm                                              | 648×200×1665 mm | 648×200×2115 mm |
| Weight                                           | 137 ± 5 kg                                                   | 197 ± 5,5 kg    | 257 ± 6 kg      |

(\*) Test Conditions: 25°C

(\*\*) Performance may vary in different conditions

(\*\*\*) Contact us for other inverter brands