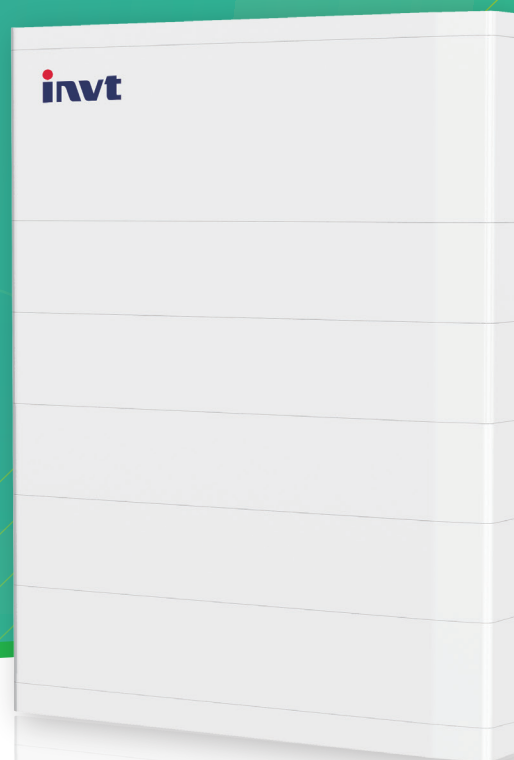


# GRP6.14-SLV

## Low Voltage Battery

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Powered by Solar

## KEY FEATURES

- BYD automotive grade, A- class LiFePO4 blade battery with superior security features.
- Built-in smart BMS powered-by BYD, keeps your battery health.
- Excellent temperature performance, temperature of charge @ -20°C ~ +55°C, temperature of discharge @-30°C ~ +60°C.
- CAN / RS485 communication supported.
- Stacked modular design, single module 51.2V 120AH, 2 to 6 layers stacked, easy to install.
- Power optimization system for residential and commercial applications with high-power emergency backup and off-grid capabilities.

|  | GRP6.14-S2LV | GRP6.14-S3LV | GRP6.14-S4LV | GRP6.14-S5LV | GRP6.14-S6LV |
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### Battery Parameter

|                                    |                                              |                     |                      |                      |                      |
|------------------------------------|----------------------------------------------|---------------------|----------------------|----------------------|----------------------|
| Battery Cell                       | BYD Blade Lithium-iron phosphate ( LiFePO4 ) |                     |                      |                      |                      |
| Battery System Energy              | 12.288kWh                                    | 18.432kWh           | 24.576kWh            | 30.72kWh             | 36.864kWh            |
| Module Number                      | 2                                            | 3                   | 4                    | 5                    | 6                    |
| Nominal Capacity                   | 240Ah                                        | 360Ah               | 480Ah                | 600Ah                | 720Ah                |
| Depth of Discharge                 | 80%                                          |                     |                      |                      |                      |
| Nominal Voltage                    | 51.2V                                        |                     |                      |                      |                      |
| Voltage Range                      | 43.2Vdc ~ 57.6Vdc                            |                     |                      |                      |                      |
| Nominal Charge / Discharge Current | 100A                                         |                     |                      |                      |                      |
| Dimension (W x H x D)              | 1150 x 570 x 220 mm                          | 1150 x 795 x 220 mm | 1150 x 1020 x 220 mm | 1150 x 1245 x 220 mm | 1150 x 1470 x 220 mm |
| Weight                             | 168kg                                        | 255kg               | 340kg                | 425kg                | 510kg                |
| Installation                       | Stacked                                      |                     |                      |                      |                      |
| Temperature of Charge              | -20°C ~ +55°C                                |                     |                      |                      |                      |
| Temperature of Discharge           | -30°C ~ +60°C                                |                     |                      |                      |                      |
| Protection Degree                  | IP21                                         |                     |                      |                      |                      |
| Communication Port                 | RS485, CAN                                   |                     |                      |                      |                      |
| Display                            | LED                                          |                     |                      |                      |                      |
| Operation Humidity                 | 5% ~ 95%                                     |                     |                      |                      |                      |
| Max. Operating Altitude            | 2000m                                        |                     |                      |                      |                      |
| Cycle Life                         | > 5000 times @80%DOD                         |                     |                      |                      |                      |
| Certification                      | CB, IEC62619, UN38.3, MSDS, CE               |                     |                      |                      |                      |