

## 12.8V 100Ah Lithium-ion Battery



### PRODUCT SPECIFICATIONS

| Parameter                            | Specification                             |
|--------------------------------------|-------------------------------------------|
| Brand / Model                        | Inverted / Atom 12.8V 100Ah               |
| System nominal voltage               | 12.8 V                                    |
| System capacity                      | 100 Ah                                    |
| System energy                        | 1.280 kWh                                 |
| Voltage range                        | 10 V – 14 V                               |
| Recommended inverter voltage         | 12 V                                      |
| Recommended C rating for charging    | 0.25 C Rating                             |
| Recommended C rating for discharging | 0.5 C Rating                              |
| Peak pulse discharge                 | 1C Rating for 10 Sec                      |
| Cell specification                   | 3.2 V 100 Ah                              |
| Cell configuration                   | 4S 1P                                     |
| Cycle life                           | 3000 cycles                               |
| Storage temperature                  | 0°C – 50°C                                |
| Dimensions                           | 320 x 184 x 178 mm                        |
| Approx. weight                       | 10 Kg approx                              |
| Communication                        | —                                         |
| Humidity                             | 50%                                       |
| Charging method                      | CC / CV                                   |
| Warranty of battery module           | 5 Years                                   |
| Working temperature (Charge)         | 0°C – 50°C                                |
| Maximum depth of discharge (DOD)     | 95%                                       |
| Conversion efficiency                | >90%                                      |
| Compatible Inverter Brand            | Deye/Hoymiles & Many other reputed brands |

### SAFETY & HANDLING

- Battery is sealed and maintenance-free. Do not open, dismantle, or modify the battery module.
- Operate and install the battery in a clean, dry, and well-ventilated area, away from excessive heat.
- Do not short-circuit the terminals. Ensure correct polarity and secure all connections before operation.
- Use appropriate insulated tools and wear suitable protective equipment while installing or servicing the battery.
- For communication and inverter integration, use compatible RS485/CAN connections as specified.
- For more details visit: [www.fidella.in](http://www.fidella.in)