

25.6V 100Ah Lithium-ion Battery



PRODUCT SPECIFICATIONS

Parameter	Specification
Brand / Model	Inverted / Atom 25.6V 100Ah
System nominal voltage	25.6 V
System capacity	100 Ah
System energy	2.56 kWh
Voltage range	22 V – 28.4 V
Recommended inverter voltage	24 V
Recommended C rating for charging	0.25 C
Recommended C rating for discharging	0.5 C
Peak pulse discharge	1 C for 10 sec
Cell specification	3.2 V 100 Ah
Cell configuration	8S 1P
Cycle life	3000 cycles
Storage temperature	0°C – 50°C
Dimensions	388 mm (L) × 269 mm (W) × 185 mm (H)
Approx. weight	18 kg
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