

EVNEXOMART

72V 30Ah High-Performance Lithium-Ion Battery Pack

Application: High-Speed Electric Scooters / E-Bikes

PRODUCT OVERVIEW

The Evnexomart 72V 30Ah Lithium-Ion Battery Pack is engineered specifically to meet the high-drain requirements of modern electric two-wheelers, including high-speed electric scooters and specialized e-bikes (such as Okinawa and custom builds). Utilizing superior high-density lithium cells integrated with an Advanced Battery Management System (BMS), this heavy-duty battery pack delivers prolonged mileage, faster charging cycles, and stable thermal thresholds.

TECHNICAL SPECIFICATIONS

PARAMETER CONFIGURATION	
Nominal Voltage	72V
Battery Capacity	30Ah (30,000 mAh)
Total Energy Output	2160 Wh
Battery Chemistry	Lithium-Ion (NMC Pack Layout / 20S Grade)
Estimated Range Mileage	85 km to 100 km per single full charge (dependent on terrain and vehicle weight)
Maximum Charging Voltage	84V
Standard Charging Current	6A – 10A (Supported up to 12A Smart Fast Charging)
Continuous Discharge Current	40A
Peak Discharge Current	72A – 80A (Instantaneous Burst protection)
Lifecycle Capacity	≥ 1,000 to 1,200 Charge-Discharge Cycles
Protection Standards	IP65 Moisture & Dust Resistance Protection
Estimated Net Weight	~12.50 KG

KEY TECHNICAL FEATURES

Intelligent Smart BMS Integration

Extended Range & Longevity

Features comprehensive built-in protection matrices that dynamically mitigate issues regarding cell overcharging, deeper cell-discharges, immediate short-circuits, and thermal overshoots.

Delivers a continuous energy yield of 2160Wh, mitigating range anxiety on extended city commutes and industrial delivery pathways.

Fast Charging Response

Allows optimization with high-efficiency SMPS battery chargers, reducing passive charging wait intervals up to 40% compared to typical generic variants.

Robust Industrial Design

Enclosed within a heavy-gauge casing structured to absorb operational vibrations and physical impacts native to bumpy city environments.

SAFETY & MAINTENANCE GUIDELINES

- Always charge the battery pack using a dedicated compatible 84V Lithium-Ion Smart SMPS charger.
- Do not expose the battery case directly to open fires, ambient temperatures exceeding 60°C, or prolonged water submersions.
- If the battery pack remains idle or stored, recharge it fully once every 30 days to retain optimal chemical balance.
- Tampering, breaking, or puncturing the original manufacturer quality warranty seals immediately nullifies all warranty covers.

For updated inventory, pricing structures, and dynamic product variants, please verify directly at the official product domain portal:
<https://evnexomart.in/product/72v-30ah-lithium-ion-battery/>