PHOTOVOLTAIC ENERGY L.L.C.
www.ecosolaris.ae · contact@ecosolaris.ae
Tel: +971 58 511 8662 · WhatsApp: +971 58 511 8662
Canal Highs 4001, P.O. Box 25314, Dubai, UAE

TECHNICAL DATASHEET · SERIES E CYLINDRICAL LIFEPO4

Series E Cylindrical LiFePO4 Battery for In-Pole Mounting

In-pole battery



Cylindrical lithium iron phosphate battery built to mount inside a lighting pole. The aluminium alloy body is rated IP67, so the pack survives weather, theft and vandalism while the pole itself shades it and helps dissipate heat. Capacity is selected per project.

Price on request | In-pole battery | EcoSolaris technical support

Technical specifications

Chemistry	LiFePO4 (lithium iron phosphate)
Nominal voltage	12.8 V / 25.6 V
Capacity	36 Ah - 90 Ah
Cell type	32700 (3.2 V, 6000 mAh)
Battery management	Integrated BMS, CC + CV charging
Charging voltage	14.6 plus/minus 0.05 V
Discharge cut-off voltage	11 plus/minus 0.05 V
Cycle life	4000 cycles at 60% depth of discharge
Protection rating	IP67
Housing material	Aluminium alloy
Model dimensions	E1236 320 x 125 x 108 mm; E1260 510 x 125 x 108 mm; E1290 710 x 125 x 108 mm; E2560 920 x 125 x 108 mm
Weight	4.10 - 12.50 kg depending on model
Operating temperature	-10 degrees C to +45 degrees C
Warranty	3 years

Features

- Mounts inside the pole
- IP67 aluminium housing
- Integrated BMS
- 4000 cycles at 60% DoD
- 2-3 cylinders in parallel
- Protected from theft and vandalism

Recommended applications

Solar street lighting | Solar CCTV | Solar advertising panels | Urban infrastructure

Capacity can be matched to the energy budget of each project, and two or three cylinders can be paralleled for higher capacity.

Informative document. Specifications may be updated without prior notice. Images are illustrative. Price on request.