



BRIGHT, RELIABLE SOLAR LIGHTING — ENGINEERED FOR EVERY SEASON

Solera pairs LiFePO_4 batteries with intelligent controls to deliver long-life, high-efficiency lighting you can program and monitor remotely.

WHY IT'S DIFFERENT



LASTS 6–10× LONGER

LiFePO_4 typically 2,000–5,000 cycles at 80% DoD
vs 300–500 cycles at 50% DoD for lead acid



SAFER, NON-FLAMMABLE CHEMISTRY

Thermal runaway threshold > 518°F (270°C)
vs 302–392°F (150–200°C) for NMC/NCA



HIGHER USABLE ENERGY, LESS WASTE

95–98% charge/discharge efficiency and
80–100% safe DoD



REAL WORLD OUTCOMES

BRIGHTER W/ A SMALLER FOOTPRINT

3–4× energy per kg vs lead-acid; cut weight
and enclosure size



CONSISTENT POWER FOR SENSITIVE ELECTRONICS

3.2V per cell stable discharge curve



READY FOR HARSH CLIMATES

Operates -4°F to 140°F (-20°C to +60°C)
with proper BMS



LOWER ENVIRONMENTAL IMPACT

No cobalt, fewer toxics, longer life

847.380.3540 • led-llc.com • sales@led-llc.com



solera-solar.com