MPPT vs PWM Solar Street Light Controllers: How to Choose

Project comparison worksheet | Jieyao Lighting | 25 November 2026

Project / site: _____
Prepared by / date: _____

ITEM / REFERENCE TO RECORD	PROJECT NOTES / OFFER COMPARISON
1. Controller model and firmware / manual revision	Reference: _____ _____
2. PV input maximum voltage, current and power	Reference: _____ _____
3. PV operating range and actual module data	Reference: _____ _____
4. Battery chemistry and approved charge settings	Reference: _____ _____
5. Charging-current limit and temperature conditions	Reference: _____ _____
6. Load output or LED driver type and limits	Reference: _____ _____
7. Dusk / timer / dimming / sensor program	Reference: _____ _____
8. Protection, recovery and failure behaviour	Reference: _____ _____
9. Enclosure installation and service access	Reference: _____ _____
10. Matched-system calculation and commissioning record	Reference: _____ _____

Use with the related guide and the project-specific documents. This worksheet records a comparison; it does not prescribe design values, establish product ratings or approve an installation.