

Security Systems

ON-STREET PARKING METER| **OSPM-100**

Optima parking meters provide modern, solar-powered on-street parking solutions for cities and municipalities. Equipped with a full-color LCD screen, an industrial-grade printer, and a secure, contactless payment terminal, our vandal-proof meters offer reliable performance and easy setup.



SMART PARKING SOLUTIONS

Solar Powered	Operates on a 12V sealed LiFePO4 battery charged by solar power
Contactless Payments	Accepts credit/debit cards with tap-to-pay convenience
Vandal Proof & Secure	Rugged design built to withstand tampering and harsh conditions
4G/LTE Connectivity	Supports remote monitoring and data transfer
Energy Saving Mode	Intelligent energy management for extended operation

TECHNICAL SPECIFICATIONS

DISPLAY	10.1" Industrial Grade Capacitive Touch Screen
	Anti-Glare (AG) & UV Resistant
	IK10 Impact Resistance
	High Brightness for Direct Sunlight Readability
PAYMENT TERMINAL	Integrated EMV Certified POS Terminal
	Contactless (NFC) & Chip Card Payments
	Credit / Debit Card Acceptance
	Receipt Printing Capability
COMMUNICATION	4G/LTE GSM Modem Built-in
	Secure HTTPS Communication
	Real-time Connection with Central Server
	Remote Monitoring, Diagnostics & Updates
POWER SYSTEM	50W High-Efficiency Solar Panel
	2 × 12V 100Ah LiFePO4 Batteries
	20A MPPT Solar Charge Controller
	Intelligent Battery Management System (BMS)
ENERGY MANAGEMENT	Advanced Energy Saving Mode
	Automatic Sleep/Wake Functionality
	Optimized Power Consumption
	Solar Charging Priority Logic
MECHANICAL SPECIFICATIONS	Outdoor Industrial Enclosure
	Vandal Resistant Design
	IK10 Protection Rating
	Corrosion Resistant Construction

ENVIRONMENTAL SPECIFICATIONS	Operating Temperature: -20°C to +70°C
	UV Resistant Components
	Designed for Outdoor Urban Environments
	High Reliability in Harsh Conditions
SOFTWARE FEATURES	Ticketless Parking Operation
	License Plate Entry
	Real-Time Parking Session Management
	Transaction Reporting & Analytics
	Multi-Site Management
CONNECTIVITY TO OPTIMA CENTRAL PLATFORM	Secure HTTP/HTTPS Communication
	Real-Time Transaction Synchronization
	Parking Session Monitoring
	Alarm & Event Notifications
	Remote Configuration Management
	Cloud or On-Premise Deployment Support

- 100% OFF-GRID OPERATION
- LONG BATTERY LIFE & RELIABILITY
- REMOTE MONITORING & MANAGEMENT
- SECURE & RELIABLE DATA COMMUNICATION
- EASY INSTALLATION & MAINTENANCE