Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

XLE-EMS-PLC-CM-MMP

Energy Management System Control Module - PLC-Based - Integrated Monitoring, Metering & Protection

Product ID: 342292

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

Energy Management System (EMS) Control Module

Ratings/Features

Unit Type: PLC-Based Energy Management System (EMS)

Controller Type: Programmable Logic Controller (PLC)

Control Functions: Automated System Control

Monitoring Functions: Real-Time System Monitoring

System Integration: Battery Charger, Battery Storage System & DC to AC Inverter

Voltage Monitoring: Integrated Voltmeter

Current Monitoring: Integrated Ammeter

Power Metering: Integrated Electrical Metering

Circuit Breakers: Included

PTS: Included

CTS: Included

Protection Functions: Overvoltage, Undervoltage & Overcurrent Protection

System Alarms: Fault & Abnormal Condition Monitoring

Control Panel: Integrated Internal Control Panel

Display: Digital System Status Display

Communication: Ethernet / RS485 / CAN

Input Power: Compatible with 480V AC, 3-Phase, 60 Hz System

Control Voltage: 24V DC

Enclosure: Integrated Within Main System Cabinet

Mounting: Internal Panel Mount

Operating Temperature: -20°C to +60°C

Special Requirements: Custom PLC Programming, I/O & Communication Available

Dimensions: Custom Engineered for System Requirements

Weight: Varies by Configuration

Special Orders - Sp

Contact us for specia

Toll Free: 1-800-369

Intl: 1-903-270-1187

Fax: 1-903-765-7664

E-mail: sales@larso

The XLE-EMS-PLC-CM-MMP from Larson Electronics is a PLC-Based Energy Management System (EMS) Control Module designed to provide centralized control, monitoring, metering, and protection for integrated industrial power and energy storage systems. The unit utilizes an industrial-grade programmable logic controller (PLC) to coordinate system operation between the battery charger, battery storage system, DC to AC inverter, and associated electrical equipment.

The XLE-EMS-PLC-CM-MMP provides real-time monitoring of critical electrical parameters, including AC and DC voltage, current, and system operating status. Integrated metering and protection components include voltmeters, ammeters, circuit breakers, and programmable monitoring functions for identifying abnormal operating conditions. The control system can provide automated responses to overvoltage, undervoltage, overcurrent, and other system fault conditions.

The EMS Control Module is designed for integration within a complete energy management or electrical power system cabinet. Communication interfaces support system monitoring and control through compatible Ethernet, RS485, CAN, or other industrial communication protocols. Custom PLC programming, control logic, I/O configurations, metering arrangements, and communication options can be configured to meet specific project requirements.

Mounting: The XLE-EMS-PLC-CM-MMP is designed for internal panel mounting within a compatible electrical enclosure or complete energy management system. The control module is factory integrated and provides centralized connections for system controls, metering devices, protection equipment, and monitored power components.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build electrical control systems and accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

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Frequently Asked Questions (FAQ)

There are no Faqs

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Video1** (https://www.youtube.com/watch?v=jHCXpMUH4E8)
- **ISO 9001 Certification** (http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate** (https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map** (https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)