

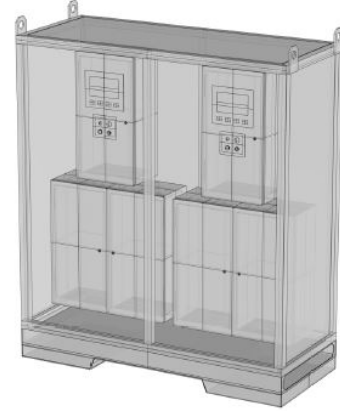
ESM30

ESM30 Solar Power Control and Monitoring

The Earthsafe ESM30 Solar Control and Monitoring Module optimizes the solar collection and conversion and monitors energy load use for efficiency and safety.

The SC90 Controller is a PLC based controller with Color Touch-Screen HMI interface and advanced communications. The unit:

- Controls and Monitors Solar Array Tracking
- Optimizes Solar Array String Output
- Manages and Monitors Storage Battery Functions
- Manages Grid Connections
- Manages Auxiliary Power Generator Functions,
- Communicates Remotely to Cloud Systems



Dimensions	24" W x 90" H x 192" L (600W x 2250H x 4800D)
Capacity	10 – 50 KW
Operating Volts	120 / 230 Single Phase
Max. Amps	40 A at 230 VAC 80 A at 120 VAC
Support	Welded Aluminum Construction
Weight (Estimate)	1500 LB (700 KG)
Standard Accessories	Cable Termination Panel Lighting Ventilation
Construction	Welded Aluminum Forklift Pockets Lifting Lugs

Enclosure	NEMA 3R Weatherproof
Inverter	10-50 kW
Monitor	Earthsafe SC90
Operators	Local Disconnect Switches
Interface	Modbus or BACnet
Communication (Optional)	Wireless to Cloud Ethernet/ RS-485
Optional Accessories	Insulated Heated Enclosure Air Conditioning SS Enclosure
How to Order	ESM30.100 Solar Power Control and Monitoring Module