

PROJECT NAME:	APPROVED BY:	
CATALOG NO:	TYPE NO:	

BACNET INTEGRATION MODULE

Evenlite's BACnet Integration Module is available on the Liteminder LM Modular series of inverters as the "BI" option code. This device allows Evenlite inverters to become part of the Building Management System via the facility's existing BACnet network. The BACnet Integration Module is BACnet Testing Laboratory certified, ensuring total compliance with all current BACnet standards, including: BACnet MS/TP, BACnet/IP, Modbus TCP/IP, and Modbus RTU.

Features

- Enables monitoring of inverter status via customer's BMS network including:
- Inverter Mode (Inverter or Charger); Utility Power presence; System Ready state;
- Switched Load state; Maintenance Bypass state; Trip Breaker state; Alarm
- Summary state; Startup Fault state; Charger Fault state; Inverter Fault state
- All inverter metering data available via customer's BMS network including: Input Voltage; Output Voltage, Current, and VA; Battery Voltage and Current; System Temperature; System Up-Time
- Ethernet connectivity to BMS via Cat5 or Cat6 RJ45 LAN connection
- Compatible with BACnet MS/TP, BACnet/IP, Modbus TCP/IP, and Modbus RTU
- Security - access restricted using user/password authentication
- Easy to use Web Configurator supports simple on-site setup
- Embedded BACnet Explorer allows integrators to quickly validate that the product is working on BACnet MS/TP and/or BACnet/IP to aid in the integration process

Compliance

- Certified as a BACnet Testing Laboratory (BTL) compliant device
- Compatible with all of the following Building Automation Systems: BACnet MS/TP, BACnet/IP, Modbus TCP/IP, and Modbus RTU
- CE and FCC Class B & C Part 15
- UL60950-1 and CAN/CSA C22.2

Warranty

- 2-year warranty standard
- 3-year warranty when Factory Start-up (FS) option is purchased with inverter

Ordering Instructions

- Available on the Liteminder LM Modular series
- Use option code BI for the BACnet Integration Module when ordering
- If the inverter is already installed, this option can be added to any existing Liteminder LM Modular inverter. Please contact Evenlite Quotes department at quotes@evenlite.com for parts and installation pricing.



BACnet Integration Module - BI Option

BACnet Integration - Points List

The following table contains a list of BACnet/Modbus Integration Points available on Evenlite LM Modular Inverters when using the BACnet Integration Module (BI option).

Point Name	BACnet Object Type	BACnet Object ID	Modbus Register
INVERTER	BI	1	10001
CHARGER	BI	2	10002
AC_PRESENT	BI	3	10003
READY	BI	4	10004
SWITCHED_LOAD	BI	5	10005
ALARM_SUMMARY	BI	6	10006
BYPASS	BI	7	10007
CB_TRIP	BI	8	10008
STARTUP_FAULT	BI	9	10009
CHARGER_FAULT	BI	10	100010
INVERTER_FAULT	BI	11	100011
INPUT_VAC_A	AI	1	30001/30002 (Float)
INPUT_VAC_B	AI	2	30003/30004 (Float)
INPUT_VAC_C	AI	3	30005/30006 (Float)
OUTPUT_VAC_A	AI	4	30007/30008 (Float)
OUTPUT_VAC_B	AI	5	30009/30010 (Float)
OUTPUT_VAC_C	AI	6	30011/30012 (Float)
OUTPUT_IAC_A	AI	7	30013/30014 (Float)
OUTPUT_IAC_B	AI	8	30015/30016 (Float)
OUTPUT_IAC_C	AI	9	30017/30018 (Float)
BATTERY_VDC	AI	10	30019/30020 (Float)
BATTERY_IDC	AI	11	30021/30022 (Float)
TEMPERATURE	AI	12	30023/30024 (Float)
OUTPUT_VA_A	AI	13	30101/30102 (UInt32)
OUTPUT_VA_B	AI	14	30103/30104 (UInt32)
OUTPUT_VA_C	AI	15	30105/30106 (UInt32)
BATTERY_POWER	AI	16	30107/30108 (UInt32)
SYSTEM_DAYS	AI	17	30109/30110 (UInt32)
INVERTER_MINUTES	AI	18	30111/30112 (UInt32)
INVERTER_SECONDS	AI	19	30113/30114 (UInt32)
SYSTEM_EVENTS	AI	20	30115/30116 (UInt32)