



## Quick Ship Inverter Program



Illuminator LUV  
25VA & 50VA

Illuminator LVM  
110VA & 225VA

Illuminator LV  
175VA, 350VA, 550VA, 750VA & 1100VA

Illuminator EM  
1.0kVA, 1.6kVA, 2.2kVA & 2.8kVA

## Emergency Inverters Shipped Within 5 Days

### Program Details

- ✓ LUV, LVM, LV and EM Systems
- ✓ All Options Available\*
- ✓ No Minimum Quantities
- ✓ Will Call Pick Up Available
- ✓ Shipping Available From East & West Coasts

Product	Height (in.)	Width (in.)	Depth (in.)	Total System Weight (lbs)
LUV 25VA	5.375	13.25	1.375	6
LUV 50 VA	5.375	20.75	1.375	9.75
LVM 110VA (Wall)	14.75	16.25	4.25	37
LVM 110VA (Grid)	7.5	8	23.875	37
LVM 225VA (Wall)	23.25	16.25	4.25	60
LVM 225VA (Grid)	7.5	8	23.875	57
LV 175VA (Wall)	17.75	14.25	6.5	55
LV 175VA (Grid)	7.5	8	23.875	48
LV 350VA	22	19	9.25	100
LV 550VA	22	19	9.25	130
LV 750VA	22	25.25	9.25	180
LV 1100VA	25.3	26	10.125	246
EM 1.0kVA	28	25	11	281
EM 1.6kVA	44	25	11	405
EM 2.2kVA	44	25	11	494
EM 2.8kVA	55	25	11	603

\*Red cabinets ship within 5 days. Other cabinet colors require additional lead time.

# Ordering Guides

## ILLUMINATOR LVU ORDERING GUIDE

Example Model Number: LVU-5

### SYSTEM TYPE

**LVU** - Standard Micro Inverter

### VA/W

**2** - 25  
**5** - 50

### OPTIONS

**RT** - Remote Test Switch

## ILLUMINATOR LVM ORDERING GUIDE

Example Model Number: 1-LVM-1-D

### VOLTAGE INPUT/OUTPUT<sup>1</sup>

**1** - 120  
**2** - 277

### SYSTEM TYPE

**LVM** - Illuminator LVM

### VA / W<sup>2</sup>

**1** - 110  
**2** - 225

### OPTIONS

**D** - 0-10V Dimming<sup>3</sup>  
**G** - Grid/Ceiling Mount (Plenum Rated)  
**NT** - No Test (For Theaters)  
**RT** - Remote Test Switch  
**W** - Wall Mount Brackets<sup>3</sup>

1. Only single phase voltages available.  
2. VA = W  
3. Not available with grid mount option.

## ILLUMINATOR LV ORDERING GUIDE

Example Model Number: LV-4-R-3-BZ003-F-HH-LVST

### SYSTEM TYPE<sup>1</sup>

**LV** - Illuminator LV

### VA / W<sup>2</sup>

**1** - 175  
**2** - 350  
**3** - 550  
**4** - 750  
**5** - 1100<sup>10</sup>

### ENCLOSURE COLOR<sup>2</sup>

**R** - Red (Standard & Recessed)  
**W** - White (Grid)

### MODEL TYPE

**1** - Standard (UL 924)<sup>4, 10</sup>  
**2** - Internal Meter Panel and Advanced Testing & Logging (UL 924 and NFPA 101)  
**3** - Advanced Testing & Logging - No Meter Panel (UL 924 and NFPA 101)<sup>4, 11</sup>

### OUTPUT BREAKERS<sup>3</sup>

EXAMPLE  
B 20 03  
QUANTITY  
01-06  
AMP RATING (Distribution Breakers)  
5, 10, 15, 20

**OUTPUT**  
**(Blank)** - None  
**B** - Normally On  
**N** - Normally Off<sup>7</sup>  
**S** - Switched<sup>7, 8, 9</sup>

### MOUNTING

**(blank)** - Standard Wall Mount  
**B** - Floor Mount (Adds 2.7" to total system height; Not required to mount 175VA)  
**G** - Plenum Rated Grid Mount<sup>4</sup>  
**W** - Recessed Wall Mount (175VA systems only)

### OPTIONS

Choose from applicable Model Type / Mounting Category

### ONSITE SERVICES & WARRANTY<sup>11</sup>

**LVST** - Start Up & Same Day Training  
**TR** - Training On Day Other Than Start Up

### MODEL TYPE 2 & 3 OPTIONS\* (WALL OR FLOOR)

**Can Pick Any:**  
**D** - Drip Top (NEMA 2)  
**F** - Battery Charger Upgrade (12-Hour Recharge)  
**LF** - TVSS Line Filter  
**R** - Infrared Remote Test  
**RT** - Remote Test Switch, Alarm & Indicator  
**S** - Battery Strapping

**Can Pick 1 (Type 2 & 3):**  
**C** - Status Monitoring Dry Form C Contacts<sup>5</sup>  
**DR** - Dimming Relay<sup>2</sup> (Breaks 0-10V Dimming Signal)  
**O** - Output Transfer Delay to Emergency<sup>2</sup> (Factory set at 6 seconds)  
**Z** - Zone Monitoring (Quantity Must Be Specified; Maximum of 3)

**Can Pick Any:**  
**D** - Drip Top (NEMA 2)  
**F** - Battery Charger Upgrade (12-Hour Recharge)  
**LF** - TVSS Line Filter  
**R** - Infrared Remote Test  
**RT** - Remote Test Switch, Alarm & Indicator  
**S** - Battery Strapping

**Can Pick 1:**  
**C** - Status Monitoring Dry Form C Contacts<sup>5</sup>  
**DR** - Dimming Relay<sup>2</sup> (Breaks 0-10V Dimming Signal)  
**O** - Output Transfer Delay to Emergency<sup>2</sup> (Factory set at 6 seconds)  
**Z** - Zone Monitoring (Quantity Must Be Specified; Maximum of 3)

**Can Pick 1:**  
**HH** - Handheld Meter  
**RMP** - Remote Meter  
**RT** - Remote Test Switch & Indicator<sup>9</sup>

**MUST PICK 1 for Type 3 (Can Pick 1 for Type 2):**  
**HH** - Handheld Meter  
**RMP** - Remote Meter

\*LV1100 cannot be ordered as Type 2 or 3

1. Wall mounted unit is standard.  
2. VA = W  
3. Maximum output breakers available: 175VA-no OCBs available, 350/550VA 3 OCBs max, 750VA and 1100VA 6 OCBs max.  
4. No meter panel included.  
5. Grid/Ceiling mounted system standard color is white. All other models, the standard color is red. Standard red cabinets and white grid units ship within 5 days. Other cabinet colors require additional lead time.  
6. Requires HH or RMP option to retrieve data.  
7. Normally Off not available when using Switched output.  
8. Maximum of 3 Switched outputs, each with 10 amp circuit breaker.  
9. Multiple Switched outputs or transfer delay limit available alarm contacts on Type 2 and 3 systems. For Type 1 systems, there are no alarm contacts when using switched outputs. Contact factory.  
10. 1100VA Systems are only available as Model Type 1 - Standard UL 924.  
11. 3 year standard warranty includes all parts. Up to 10 years prorated warranty on batteries.

### OPTIONS FOR "G" GRID MOUNT VERSION (175VA)\*\*

**Grid - Type 1**  
**Can Pick Any:**  
**F** - Battery Charger Upgrade (12-Hour Recharge)  
**LF** - TVSS Line Filter  
**R** - Infrared Remote Test  
**RT** - Remote Test Switch, Alarm & Indicator

**Can Pick 1:**  
**C** - Status Monitoring Dry Form C Contacts<sup>5</sup>  
**DR** - Dimming Relay<sup>2</sup> (Breaks 0-10V Dimming Signal)  
**O** - Output Transfer Delay to Emergency<sup>2</sup> (Factory set at 6 seconds)  
**Z** - Zone Monitoring (Quantity Must Be Specified; Maximum of 3)

**Grid - Type 3**  
**Can Pick Any:**  
**F** - Battery Charger Upgrade (12-Hour Recharge)  
**LF** - TVSS Line Filter  
**R** - Infrared Remote Test

**Can Pick 1:**  
**C** - Status Monitoring Dry Form C Contacts<sup>5</sup>  
**DR** - Dimming Relay<sup>2</sup> (Breaks 0-10V Dimming Signal)  
**O** - Output Transfer Delay to Emergency<sup>2</sup> (Factory set at 6 seconds)  
**Z** - Zone Monitoring (Quantity Must Be Specified)

**Can Pick 1:**  
**HH** - Handheld Meter  
**RMP** - Remote Meter  
**RT** - Remote Test Switch & Indicator<sup>9</sup>

\*\*Grid Mount Option is only available for 175VA units

## ILLUMINATOR EM ORDERING GUIDE

Example Model Number: 1-EM-4-S-BA2007-T-S-M-N-2YW

### VOLTAGE INPUT/OUTPUT<sup>1</sup>

**1** - 120 - 120  
**2** - 120 - 120/277<sup>8</sup>  
**3** - 208 - 120<sup>9</sup>  
**4** - 240 - 120/240<sup>9</sup>  
**5** - 277 - 120<sup>9</sup>  
**6** - 277 - 277  
**7** - 277 - 277/120<sup>9</sup>  
**8** - 208 - 120/240<sup>9</sup>  
**9** - 208 - 120/208<sup>9</sup>  
**Z** - Other Voltages (may require UL Testing)

### SYSTEM TYPE

**EM** - Illuminator EM

### KVA / KW<sup>2</sup>

**1** - 1.0  
**2** - 1.6  
**3** - 2.2  
**4** - 2.8

### BATTERY TYPE

**S** - Standard (VRLA)

### OUTPUT BREAKERS<sup>3</sup>

EXAMPLE  
B A 20 0  
QUANTITY  
01-10<sup>4</sup>  
AMP RATING (Distribution Breakers)  
10, 16, 20, 25, 32

**OUTPUT**  
**B** - Normally On  
**N** - Normally Off<sup>7</sup>

**VOLTAGE**  
**A** - 120  
**B** - 208  
**C** - 240  
**D** - 277  
**Z** - Other

### MOUNTING OPTIONS

**Pick 1:**  
**(BLANK)** - Standard Wall  
**F** - Floor Mount Bracket (Adds 4" to total system height)  
**W** - Wall Mount Brackets  
**Z** - Seismic / Raised Floor (Adds 4" to total system height)

### OPTIONS

**Pick Any:**  
**A** - Remote Summary Alarm Panel  
**BTM** - Battery Temperature Monitor  
**C** - Status Monitoring Dry Form C Contacts Alarm Panel  
**D** - Drip Top (NEMA 2)  
**I** - Inverter On Dry Form C Contact  
**L** - Load Control Relay<sup>5</sup>  
**M** - Internal Maintenance Bypass<sup>4</sup>  
**M(BBM)** - Internal Maintenance Bypass<sup>9</sup>  
**P** - Remote Status Panel (Status Alarm / Alarm Silence Switch)<sup>10</sup>  
**S** - Summary Fault Form C Contacts  
**SEA** - Serial to Ethernet Adapter  
**T** - Output Trip (Supervised) Alarm  
**V** - Variable Time Delay  
**Y** - Battery Strapping  
**ZM(x)** - Zone Monitoring (quantity must be specified)

**Pick 1:**  
**BAC** - BACnet Communications (MSTP)  
**BIP** - BACnet TCP/IP  
**IoT** - IoT Inverter Connect  
**MIP** - Modbus TCP/IP  
**MOD** - Modbus RTU

### WARRANTY & ONSITE SERVICES<sup>4</sup>

**2YW** - Start Up & Same Day Training  
**5YP** - 5-Year Preventative Maintenance Plan  
**5YW** - 5-Year Extended Electronics Warranty  
**TR** - Training (If Required On Day Other Than Start Up Date)

1. Only single phase voltages available.  
2. KVA = KW  
3. Unless output circuit breakers are specified, a single output breaker will be supplied with each unit and the current rating will vary based on the output power and voltage rating of the unit. Maximum specified output breakers available: 10 unsupervised (1-pole), 6 supervised (1-pole). A 2-pole breaker occupies 2 positions.  
4. Maintenance bypass switch is a "make before break".  
5. Contact factory for load control applications.  
6. One year warranty is standard.  
7. Circuit breaker protection provided.  
8. Enclosure height may increase. Contact factory.  
9. Maintenance Bypass is "break before make".  
10. Remote Status Panel requires "C" Option (Status Monitoring Dry Form C Contacts Alarm Panel).

### ACCESSORIES

**EMBP** - External Maintenance Bypass Switch<sup>A</sup>  
**SPARES** - Spare Fuses & Circuit Boards  
**SPAREF** - Spare Fuse Kit

A) Cannot purchase External Maintenance Bypass Switch with Internal Output Breaker options.