



MPS

20-55 Watt Micro Inverter

DATE:

PROJECT

COMMENTS:

FEATURES

- For powering incandescent, fluorescent, and LED fixtures
- True sinusoidal AC pulse width modulated (PWM) design provides clean 60Hz emergency output
- Universal 120/277VAC, 60Hz input/output
- Unit capacities up to 20W-55W
- "Soft Start" design reduces fixture inrush current
- Surface, recessed, or T-Grid mount models
- Lumen output from fixture is 100% of nominal
- UL listed 90 minute run-time
- Unique design eliminates compatibility problems with LED drivers as well as fluorescent ballasts
- Normally-ON and/or Normally-OFF load output
- Provisions for local switching capability — Always-ON during emergency conditions regardless of local switch position
- Temperature compensated, dual-mode charger includes low voltage disconnect feature to provide protection against battery deep discharge
- Maintenance-free, Lead-Calcium and premium grade Nickel-Cadmium battery models offered
- Control panel with momentary test switch, AC-ON, Charge-ON, and Inverter-ON LED indicators
- Battery circuit fuse protected
- Reverse battery and AC lockout protection



CLICK THE IMAGE TO VIEW ALTERNATE PRODUCT PHOTOS

Only available with Adobe Acrobat and Acrobat Reader

ORDERING INFORMATION *MPS-20-NC-V3-MB*

1. SERIES	2. VA RATING	3. BATTERY	4. I/O VOLTAGE	5. MOUNTING
MPS	-	-	V3	-
	20 20 W/VA 32 32 W/VA 35 35 W/VA 55 55 W/VA	LC Lead Calcium Battery ¹ NC Ni-Cad Battery Backup ²	V3 120/277V Input / Output	MB Back Mount MCG Ceiling Grid Mount MRW Recessed Wall

6. OPTIONS

BLANK = NO OPTION

RT Remote Diagnostic Status Display Panel

SD Self-Diagnostics

CA CEC Compliant³

ORDERING NOTES

1. LC only available on 32VA and 55VA versions
2. NC only available on 20VA and 35VA versions
3. CA adder only available on 32VA and 55VA versions

INPUT

- Input Voltages: 120 or 277VAC $\pm 10\%$
- Input Frequencies: 60Hz $\pm 2\%$
- Input Protection: Provided by Service Panel, Rated 20A max

OUTPUT

- Output Voltages: 120 or 277VAC (60Hz)
- Efficiency Rating: 98% at full rated load (line)
- Waveform: Sinusoidal (digitally controlled, PWM design)
- Static Voltage: $\pm 5\%$ during battery discharge. 0-100% linear load
- Output Frequencies: 60Hz. ± 0.3 Hz during emergency cycle

- Output Distortion: $< 3\%$ THD (linear load)
- Transfer Time: Less than 1.0 second
- Load Power Factor Range: 0.44 Lead to 0.44 Lag
- Minimum Loading: 0% of rated system capacity
- Output Protection: Inverter fuse

TEMPERATURE RATING

- 0° to 50°C for NiCad models
- 20° to 30°C for lead-calcium model

NOTE

Due to power factor calculations, we recommend only loading the MPS inverter to 85% of load wattage/VA

APPROVALS

- UL 924
- NFPA 101 Life Safety Code
- NEC
- OSHA

WARRANTY

- Isolite warrants the MPS Series electronics assembly against defects in material and workmanship for a period of 3 years. Isolite warrants the Lead Calcium batteries for 1 year full and 9 years pro-rata limited. For further details, refer to
- General Warranty and Obligations in the Isolite manual or on our website

DIMENSIONS
