



DEFENDER MINI

SPECIFICATIONS

- The Defender Mini maintains efficient AC Emergency Power to operate all emergency lighting fixtures at "full-light" output, providing superior dependability and security to commercial/industrial environments in a small footprint.

DIAGNOSTICS AND MAINTENANCE

- DSP/PWM technology and DSPM Watchdog Software provides complete self diagnostic capabilities and LED Monitoring
- Informative advanced Display and Alarms keep you in control of your emergency lighting environment 24/7
- Automatically performs periodic self-tests ensuring a safely lighted environment prior to an emergency
- Single point of testing instead of multiple testing points with battery packs



350 W - 2000 W

Single Phase

Uninterrupted

Emergency

Lighting and

Power

Systems

PROTECTION

- Provides overload, surge and undercurrent protection using DSP/PWM technology and DSPM Watchdog Software to protect system performance and reliability
- Surge protection against load surges as defined in ANSI/IEEE C62.45 category A and B

INPUT

- 120V, 208V, 240V, 277V or 480V input 60Hz

OUTPUT

- 120V, 240V, 277V, 480V, 120/240 or 120/277VAC.

True "on-line" design is $\geq 92\%$ efficient at 100% linear load

BATTERIES

- Sealed, maintenance-free, lead calcium (AGM) batteries
- 10-Year prorated warranty
- DSP/PWM Smart Battery Monitoring System is TEMPERATURE COMPENSATED maintaining maximum runtime and battery life
- Microprocessor controlled recharge and DSP/PWM overcharge protection standard

LAMPS AND LOADS

- Emergency power provides FULL LIGHT OUTPUT from all lamps and fixtures for the entire runtime
- Operates fluorescent, compact fluorescent, incandescent, quartz, H.I.D., LED and other lamp types
- Standard or electronic ballasts, dimming devices or panels, sensors and most control equipment
- Standard or LED Exits and other safety equipment

CODES

- UL 924, UL1778, meets NFPA 101, NFPA 70, NEC and OSHA standards
- Cities of Chicago and New York approved
- Complies with the Buy American Act

WARRANTY

- 1-Year full warranty on system electronics
- Battery warranty 1-year with 9-years pro-rated
- System 1-year on-site warranty labor with DSPM phone assisted start-up
- 5-Year powertrain warranty
- Maintenance contracts available

INSTALLATION

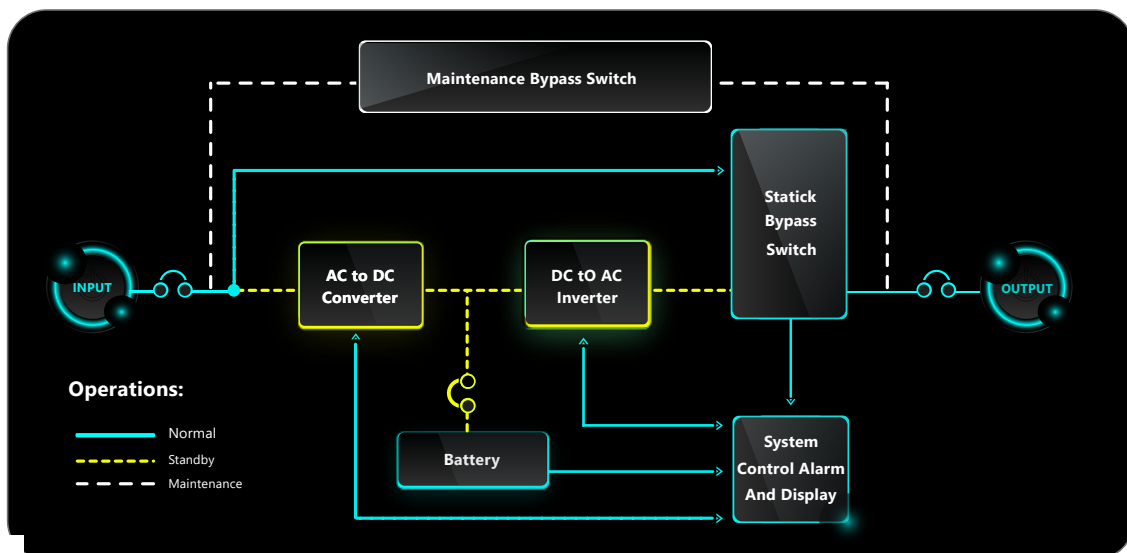
- Modular design and small footprint allow easy installation in electrical closet or other convenient locations
- Phone assisted factory start-up standard for all systems
- Extended warranty available

SPECIAL APPLICATIONS

- DSPM offers numerous UL924 optional devices to meet unusual or difficult application parameters
- ECM - Environmental Circuit Module allows fixtures and lamps on the emergency circuit(s) to be operated by normal switching and/or dimming devices in NON-emergency conditions
- Dimming Panel Interface allows use with emergency lights controlled by common dimmer panel

CABINET

- Space saving small footprint
- Modular design enables flexible installation
- NEMA 1 rated



Mini Series	Power Rating	UPS			Weight	British Thermal Unit	Battery Type	Voltage (VAC)		Output Protection	Safety Approvals
		Cabinet Dimensions						Input	Output		
DMINI	VA/W	W	H	D	(lbs)	BTU \boxtimes	Sealed, Maintenance free (AGM) lead calcium	Select	Select	Input and output circuit breakers standard	UL924 UL1778 NF PA 101 NF PA 70 NEC
	350	24"	26"	16"	340	95.2		120, 208, 240, 277 or 480	120, 277, 480, 120/240 or 120/277		
	525	24"	26"	16"	340	142.8					
	700	24"	26"	16"	370	190.4					
	750	24"	26"	16"	370	204					
	875	24"	26"	16"	370	238					
	1050	24"	26"	16"	440	285.6					
	1400	24"	26"	16"	460	380.8					
2000	24"	26"	16"	600	544						

The Defender Mini provides the simplicity and reliability that is critical when providing an alternative source of power to any environment. Easy installation ..."simplicity"...connect the Mini to the emergency circuit(s) and everything is backed up..."reliability"...during a power outage. All lighting connected to the Mini will simply continue to operate at "full light output". DSPM Watchdog® software keeps your environment safe while self-diagnostics help maintain equipment to a high standard. Superior surge suppression assures the highest quality of power being delivered to all loads, all the time. Equipment and lamp life are maximized.

ORDERING INFORMATION

Choose the bold face catalog nomenclature that best suites your needs.

Write them on the appropriate line. Order accessories as separate catalog number.

Example:

DMINI - 1050 - 208/120 - OCB/120/3/20/1 NOF/120/1 - 90

Description of example:

(1050 Watt, 208 Voltage In, 120 Voltage Out, 3 Output 120 Voltage Circuit Breakers at 20amps, 2 pole, 1 Normally Off 120 Volt Output Circuit, 90 minute run time)

DMINI					
FAMILY	POWER RATING	VOLTAGE ¹		OPTIONS	TIME ³
	<u>VA/W</u>	<u>Input/Output</u>	<u>Input/Output</u>	ECM120 - 120V Environmental control module / ² qty	<u>Minutes</u>
	350	120/120	240/120-240	ECM277 - 277V Environmental control module / ² qty	5
	525	120/277	240/120-277	NOF - Normally OFF output circuit/voltage /qty/pole	10
	700	120/480	277/120	NOH - Normally OFF "Hold ON"/voltage/qty/pole	15
	750	120/120-240	277/277	OCB - Output circuit breakers /voltage /quantity/amperes/pole	20
	875	120/120-277	277/480	EPO - Emergency power off	25
	1050	208/120	277/120-240	RSSP - Remote Indicator Panel	30
	1400	208/277	277/120-277	SNMP - SNMP Card	45
	2000	208/480	480/120	FC - Form C Contacts	60
		208/120-240	480/277	WB - Wall mounted bracket	90 (Standard)
		208/120-277	480/480	STUM - Onsite start-up	120
		240/120	480/120-240	IDB - Internal dimmer bypass	180
		240/277	480/120-277	EMB - External maintenance bypass switch	180
		240/480		EW - Extended warranty	240

NOTES:

1- Consult factory for other voltage requirements.

Special voltages may effect the weight, size and number of cabinets.

2- One ECM is used per switching device or circuit.

3- Consult factory for other run times. Specifications subject to change without notice.