

DEFENDER MINI

350 W - 2000 W Single Phase Uninterrupted Emergency Lighting and Power Systems



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.

POWER RATING

- 350 Watts - 2000 Watts single phase output unit uses the latest DSP/PWM technology to provide the most advanced performance and reliability features

INPUT

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

OUTPUT

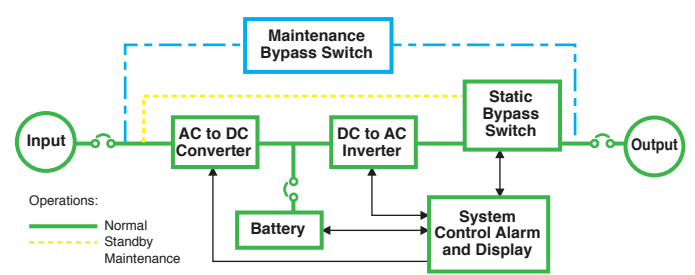
- 120V, 240V, 277V, 480V, 120/240 or 120/277VAC.
True "on-line" design is ≥92% efficient at 100% linear load

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

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



ORDERING INFORMATION:

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

Mini Series	Power Rating	UPS			Weight (lbs)	British Thermal Unit	Battery Type	Voltage (VAC)		Output Protection	Safety Approvals
		Cabinet Dimensions						Input	Output		
DMINI	VA/W	W	H	D			Sealed, Maintenance free (AGM) lead calcium	<i>Select</i>	<i>Select</i>	Input and output circuit breakers standard	UL924 UL1778 NFPA 101 NFPA 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						

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

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

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

CABINET

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

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