

Catalog Number	
Project	Notes
Signature	Date

# 3<sup>RD</sup> RAIL INVERTER

## SPECIFICATIONS

*The 3rd Rail Inverter maintains efficient AC Emergency Power to operate all types of loads, providing superior dependability and security to commercial/industrial environments in a small commercial/industrial environments in an outdoor environment.*

### POWER RATING

- 8 KW - 32 KVA

### DC INPUT

- 350 to 900VDC, nominal 600VDC

### BYPASS VOLTAGES

- 120V, 208Y/120V, 240V, 480Y/277V, 120/240VAC

### OUTPUT VOLTAGES

- 120V, 240V, 277V, 480V, 120/240, 120/208, 277/480 or 277/480VAC  
92% efficient at 100% linear load

### CODES

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

### 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

**8 KW - 32 KVA  
600VDC Input**

**Single or  
Three Phase  
AC Voltage  
Output**



### 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

### NEMA 3R or NEMA 4 CABINET

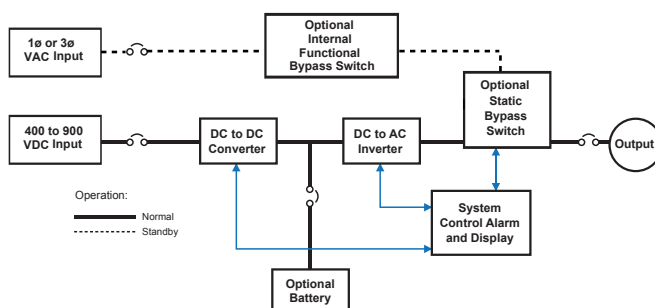
- Modular design enables flexible installation

### INSTALLATION

- Modular design and small footprint allow easy installation in an outdoor environment
- Phone assisted factory start-up standard for all systems
- Extended warranty available

### WARRANTY

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



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All systems VDC input nominal 600VDC

Model 3RR	Power Rating	Inverter Cabinet Dimensions			Weight (com- bined)	British Terminal Unit	Voltage (VAC)		Output Protection	Safety Approvals
		W	H	D			Bypass	Output		
	8.0	41"	72"	32"	1880	2500	<u>Select</u> 120, 240 277, 480 120/208Y, 208 or 277/480 VAC	<u>Select</u> 120, 277, 480, 120/208Y, 208 or 277/480 VAC	Input and output circuit breakers standard	NFPA 101 NFPA 70 NEC
	16.0	41"	72"	32"	2700	5000				
	24.0	41"	72"	32"	3600	7500				
	32.0	41"	72"	32"	4500	10000				

## 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.

Description:

(3rd Rail, 8KVA, 600VDC/208/120Y, Output Circuit Breaker, 2 each, 20 Amp, 1 Pole)

(8KVA)		(600VDC-208Y/120)		(OCB 120/2/20)	
3RR					
FAMILY	POWER RATING	VOLTAGE <sup>1</sup>	OPTIONS		
	<u>KW</u>	<u>Input/Output</u>	ECM120 - 120V Environmental control module <sup>2</sup> /qty		
	8.0	600VDC/208Y/120VAC	ECM277 - 277V Environmental control module <sup>2</sup> /qty		
	16.0	600VDC/480Y/277VAC	OCB - Output circuit breakers / voltage / quantity/amps		
	24.0	600VDC/208Y/120VAC	EPO - Emergency power off		
	32.0	600VDC/480Y/277VAC	SNMP - SNMP Card		
		600VDC/120VAC	HTR - Heater		
		600VDC/277VAC	BATTERIES - 5 Minutes - 24 Hours (Consult Factory)		
		600VDC/480VAC	SBS - Static Bypass Switch		
		600VDC/120/240VAC			

## NOTES:

1-Consult factory for other voltage requirements.  
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.



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