



BOREALIS 3 PHASE INVERTER

Project Name: _____ Model Number: _____
Prepared By: _____ Date: _____

INTERNAL SPECIFICATIONS

BOREALIS series emergency lighting inverters are available with many standard features and benefits including full galvanic isolation, an internal maintenance bypass switch, EMI suppression, input surge protection, and SNMP monitoring over networks. CSA 22.2 No. 141-15 Performance Certified.

EXTERNAL SPECIFICATIONS

The fully digital **BOREALIS** system offers LCD display. All the viewable parameters of the **BOREALIS** can be read without opening the front door. The inverter on/off switch is protected from accidental operation by being located behind the locked front door.

TESTING/CHARGING

The **BOREALIS** system incorporates an automatic recharge performed monthly. The front panel display provides user notification of current system operation as well as operating parameters and battery charge level. When the battery voltage level decreases to approximately 2V/Cell or to a user specified level the batteries will recharge. To prevent the over-charging of the battery, the boost charge will stop when batteries achieve a 90% charged level at which point the float charging begins. When an abnormal condition (low charge rating or bad battery) is found the user will be informed immediately through alarms on the **BOREALIS** system.

Many additional features are available on the **BOREALIS** emergency lighting inverter from automatic testing with event logs to communication options. Additional run times are also available. Please consult the factory or **BOREALIS** brochure for more product detail.

ORDERING GUIDE

BOR - - - - -

SERIES	*INPUT VOLTAGE	*OUTPUT VOLTAGE	WATTAGE	RUNTIME	OPTIONS
BOR	J = 208/120 K = 408/277 L = 600/347 M = 208/120 N = 480/277 O = 600/347 P = 208/120 Q = 480/277 R = 600/347	208/120 208/120 208/120 480/277 480/277 480/277 600/347 600/347 600/347	I = 8kW J = 12kW K = 16kW L = 24kW M = 32kW N = 40kW O = 48kW	S (Standard sealed battery)	R30 (30 minute runtime) R60 (60 minute runtime) R90 (90 minute runtime) R120 (120 minute runtime) RCMP (Remote control & monitoring panel) EMBP (External maintenance bypass) 12HR (12 hr. recharge time) Output Circuit Breakers - see below Seismic restraints

NOTE: *Input, output voltages are 3 phase 4 wire plus ground (wye) configuration. Consult factory for other voltage configurations

OUTPUT CIRCUIT BREAKERS

TYPE	VOLTAGE	AMP RATING	QTY
ON (Normally on) OF (Normally off)	A = 120	15	1-15

NOTE: Supports up to 10 supervised or 15 unsupervised pole positions. Specify type, voltage, amp rating and quantity of breakers from selection above

NOTE: Please consult factory for 347V breaker