

Borealis 3 Phase Inverter

Distributed by Beghelli

Job/Location: _____

Contractor: _____ Prepared By: _____

Model Number: _____ Date: _____



Always On™
UPS Systems Inc.

ORDERING INFORMATION

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

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)	A = 120	15	1-15
OF (Normally off)			

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



INVERTERS

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.

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.