

Nova 6, 12 & 24V Steel Battery Units

Job/Location: _____

Contractor: _____ Prepared By: _____

Model Number: _____ Date: _____

Universal mounting
plate for effortless
installation

OBM option for
octagon box mount



6V, 12V or 24V up to 720W

120VAC removable line cord is
supplied standard on voltages up
to 6V on the 36W units, and up
to 12V on the 72W units.



INDOOR ARCHITECTURAL EMERGENCY

ORDERING INFORMATION

Series	Operation	Capacity (W)	Heads	Lamp Type	AC Voltage	Options	Options (cont'd)
NV	6 (Volt DC)	See model rating guide	0 (None)	See lamp selection	120/347 V	NC (Ni-Cd batteries, see guide)	*TD (Time delay - specify 5, 10, 20 mins)
	12 (Volt DC)		1SR (Plastic, 1 head)		120/277 V	CC (Custom colour - specify)	LD (Lamp disconnect)
	24 (Volt DC)		2SR (Plastic, 2 heads)			TLP (Twist lock plug - 120V only)	WG (Wireguard)
			1BTMR (Metal, 1 head)			CT (Cabtire cord set)	ACTB (Terminal block AC)
			2BTMR (Metal, 2 heads)			**OBM (Octagon box mount)	DCTB (Terminal block DC)
			1LR (PAR36, 1 head)			LC (Line cord - 120V only)	BD (Battery disconnect)
			2LR (PAR36, 2 heads)			AT (Auto-test self-diagnostics)	***CPS (Constant power supply)
			1TESSQ (One head, HO)			*RFS (Radio frequency suppression)	ADA (Audible alarm)
			2TESSQ (Two heads, HO)			IRT (Infra-red remote test)	†FAI (Fire alarm interface - specify type)
						MS (Mounting shelf)	FD5 (5 circuit fuse distribution)
						SM (Side mount heads)	TP (Tamper proof screws)
						A (Ammeter)	V (Voltmeter)
							HT (High operating temperature)
						****ZSP (Zone sensing panel - see ZSP catalogue for more details)	

NOTE: For 120/277V units, please order option *Single AC voltage must be specified **No line cord ***120V only ****ZSP: qty of zones (2-4), 120 or 347V, max 6V/180W, 12V/360W, 24V/360W, not available with all options †Specify open/closed/6-24 VDC
EXAMPLE: NV-12-350-2SR-7WLED-120/347V DESCRIPTION: Nova battery unit, 120/347VAC Input, 12VDC Output, 350W for 30 minutes, 2 SR heads

DIMENSIONS

Figure A

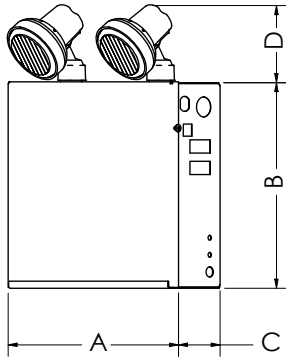
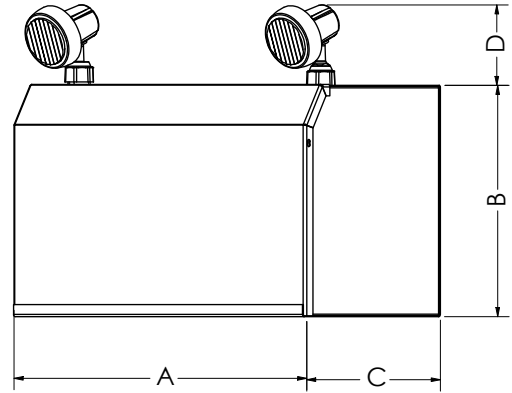


Figure B



Unit Size	A	B	C	Steel Cabinet Gauge	Drawing
(6V 18-50W) (12V 36-72W)	12 ^{1/4"} (311mm)	5" (127mm)	3" (76mm)	20	A
(6V 72-90W) (12V 90W)	10" (254mm)	9" (228mm)	3 ^{1/4"} (82mm)	20	A
(6V 100-180W) (12V 120-300W) (24V 144-320W)	13 ^{1/2"} (343mm)	10 ^{1/8"} (257mm)	4 ^{1/4"} (108mm)	18	B
(12V 360W)	13" (330mm)	10 ^{1/8"} (257mm)	8 ^{1/2"} (216mm)	18	B
(24V 360-720W)	18 ^{1/8"} (460mm)	10 ^{1/8"} (257mm)	8 ^{1/2"} (216mm)	18	B

NOTE: Dimension D (see drawing) will vary based on heads supplied

LAMP SELECTION

	6V	12V	24V
Composite Tungsten	7.2, 9W	9, 12, 18W	9, 18 (25W, PAR36 only)
Composite Quartz (Q)	6, 8, 10, 12W	12, 20 (55W PAR36 only)	N/A
LED-MR16	5, 7W	2, 5, 7W	5, 7W
MR16	N/A	20, 35, 50W	N/A
LED Module	3, 4W	3, 4W	N/A
TES	N/A	5, 9, 14, 30W	5, 9, 14, 30W
Sealed beam (PAR36 only)	N/A	6W	6W

NOTE: MR16 max 12W in SR head

LAMP HEAD FEATURES

The **NOVA** series unit emergency lighting heads are supplied with two [2] top mounted small style 9 watt thermoplastic heads. LR PAR36 large style thermoplastic or BTMR white steel heads utilizing MR16 lamps are also an available option. Lamp heads can be mounted either on the top or on the sides of the unit allowing for up to four [4] heads to be mounted on the largest units (up to 3 top, 2 sides).

BEGHELLI AUTO-TEST (AT) - OPTIONAL

The Beghelli auto-test system automatically performs one 5 minute discharge test monthly and every 6 months it performs two 30 minute discharge tests, 24 hours apart. This tests both full battery capacity and recharge capability. The information is communicated simply and intuitively to maintenance personnel via a single multi-colour LED.

CSA Certified TECHNICAL

BATTERY TECHNOLOGY

The **NOVA** series is designed with a maintenance free, sealed valve regulated lead acid battery that provides a minimum emergency duration of 30 minutes (for the listed rating). Ni-Cd batteries are optional. Recharge time of the battery is twenty-four [24] hours. The maximum battery operating temperature is +25°C and the minimum is +10°C. A +40°C operating temperature is available, please consult the factory.

CHARGER SPECIFICATIONS

The **NOVA** series utilizes a temperature compensated charger with low voltage disconnect protection. The charger also has brownout and short circuit protection. Charger status is easily determined via a dual diagnostic LED display which indicates AC/ON and High Charge. An external push button test switch allows maintenance personnel to quickly determine the operational status of the unit and lamp load.

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EXTERNAL SPECIFICATIONS

The **NOVA** series is constructed with an 18 gauge steel cabinet. Terminal connectors allow for larger gauge wires to be connected for remote loads. The universal mounting pattern stamped into the back of the unit allows for direct mounting to various conduit boxes. Stamped conduit knockouts and a 120VAC removable line cord are supplied standard on all **NOVA** units with voltages up to 6V on the 36W unit, and up to 12V on the 72W units.

MECHANICAL SPECIFICATIONS

Remote lamp loads are connected to the emergency power supply with sturdy terminal connectors. CSA 22.2 No. 141-15 Performance Certified.

MODEL RATING GUIDE

Model	Wattage Rating		
	30 Minutes	90 Minutes	120 Minutes
NV-6-18	18	n/a	n/a
NV-6-36	36	12	10
NV-6-40	40	18	12
NV-6-50	50	18	15
NV-6-50-NC	50	22	18
NV-6-72	72	27	22
NV-6-80	80	27	24
NV-6-90	90	36	27
NV-6-100-NC	100	42	35
NV-6-160	160	60	48
NV-6-180	180	72	54
NV-6-180-NC	180	90	60
NV-12-36	36	n/a	10
NV-12-72	72	27	22
NV-12-90	90	36	27
NV-12-100-NC	100	45	35
NV-12-120	120	65	36
NV-12-150	150	65	45
NV-12-180	180	72	54
NV-12-200-NC	200	90	65
NV-12-200	200	72	60
NV-12-250	250	108	75
NV-12-360	360	180	108
NV-24-144	144	60	43
NV-24-180	180	72	54
NV-24-200-NC	200	100	65
NV-24-320	320	136	96
NV-24-350	350	144	108
NV-24-550	550	220	180
NV-24-720	720	360	235

