

Nova 6, 12 & 24V Steel Battery Units

Job/Location: _____

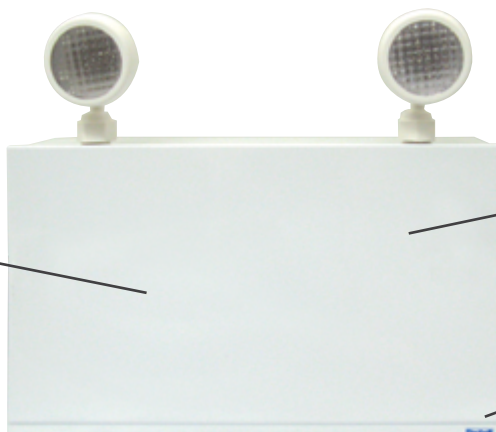
Contractor: _____ Prepared By: _____

Model Number: _____ Date: _____

Universal mounting
plate for effortless
installation

20 gauge
steel cabinet

OBM option for
octagon box mount

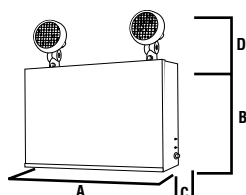


6V, 12V or 24V up to 720W

High-efficiency
two stage charger

120VAC removable
line cord is supplied
standard

DIMENSIONS



Unit Size	A	B	C
(6V 18-50W) (12V 36-72W)	12" (305mm)	4 3/4" (119mm)	2 1/2" (64mm)
(6V 72-90W) (12V 90W)	10" (254mm)	9" (229mm)	3 1/4" (83mm)
(6V 100-180W) (12V 120-180W) (24V 144-180W)	15" (385mm)	9 1/2" (241mm)	4 1/4" (105mm)
(12V 200-360W) (24V 320W)	13" (330mm)	10" (254mm)	8" (203mm)
(24V 360-720W)	18" (457mm)	10" (254mm)	8 3/8" (213mm)

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

ORDERING INFORMATION

Series	Operation	Capacity (W)	Heads	Lamp Type	Options	Options (cont'd)
NV	6 (Volt DC)	See model rating guide	0 (None)	See lamp selection	NC (Ni-Cd batteries, see guide)	*TD (Time delay - specify 5, 10, 20 mins)
	12 (Volt DC)		1SR (PAR18, 1 head)		CC (Custom colour - specify)	LD (Lamp disconnect)
	24 (Volt DC)		2SR (PAR18, 2 heads)		TLP (Twist lock plug - 120V only)	WG (Wireguard)
			1BTMR (MR16, 1 head)		CT (Cable tie cord set, 120V only)	ACTB (Terminal block AC)
			2BTMR (MR16, 2 heads)		**OBM (Octagon box mount)	DCTB (Terminal block DC)
			1LR (PAR36, 1 head)		FD5 (5 circuit fuse distribution)	BD (Battery disconnect)
			2LR (PAR36, 2 heads)		AT (Auto-test self-diagnostics)	***CPS (Constant power supply)
					*RFS (Radio frequency suppression)	ADA (Audible alarm)
					*IRT (Infra-red remote test)	FAI (Fire alarm interface - specify type)
					MS (Mounting shelf)	RB (Rubber heads)
					HHC (Hand held controller)	TC (Teflon coated lenses - SB only)
					SM (Side mount heads)	TP (Tamper proof screws)
					A (Ammeter)	V (Voltmeter)

NOTE: *AC voltage must be specified **No line cord ***120V only

EXAMPLE: NV-12-72-2SR-9W-V

DESCRIPTION: Nova battery unit, 120/277/347VAC Input, 12VDC Output, 72W for 30 minutes 2 PAR18-9W lamps, voltmeter



LAMP SELECTION: (SEALED BEAM ONLY IN LR PAR36 STYLE HEAD)

	6V	12V	24V
Composite Tungsten	9, 12W (18W - PAR36 only)	9, 12, 18W (25W - PAR36 only)	9, 18W
Composite Quartz (Q)	8, 10, 12, 20W	8, 12, 10, 20W (35, 55W PAR36 only)	10, 12, 20, 50W (70W AR only)
Sealed Beam Tungsten (SB)	9, 12, 18, 25, 30W	12, 18, 25, 30, 35W	N/A
Sealed Beam Quartz (QSB)	8, 12, 20W	8, 12, 30W	N/A
MR16	10W	10, 12, 20, 35, 50W	12, 20, 35, 50W
LED-MR16 (SR or BTMR)	5W	5, 7W	5, 7W

NOTE: MR16 max 12W in SR head

LAMP HEAD FEATURES

The **NOVA** series unit emergency lighting heads are supplied with two [2] top mounted PAR18 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.

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 +40°C and the minimum is +10°C.

CHARGER SPECIFICATIONS

The **NOVA** series utilizes a high-efficiency two stage charger providing precise float voltage control with low voltage disconnect protection. All components used in the circuitry are temperature compensated. 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.

EXTERNAL SPECIFICATIONS

The **NOVA** series is constructed with a 20 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.

MECHANICAL SPECIFICATIONS

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

MODEL RATING GUIDE

Model	Wattage Rating	
	30 Minutes	90 Minutes
NV-6-18	18	n/a
NV-6-36	36	12
NV-6-40	40	18
NV-6-50	50	18
NV-6-50-NC	50	22
NV-6-72	72	27
NV-6-80	80	27
NV-6-90	90	36
NV-6-100-NC	100	42
NV-6-160	160	60
NV-6-180	180	72
NV-6-180-NC	160	90
NV-12-36	36	n/a
NV-12-50	50	n/a
NV-12-72	72	27
NV-12-90	90	36
NV-12-100-NC	100	45
NV-12-120	120	65
NV-12-150	150	65
NV-12-180	180	72
NV-12-200-NC	200	90
NV-12-200	200	72
NV-12-250	250	108
NV-12-360	360	140
NV-24-144	144	60
NV-24-180	180	72
NV-24-200-NC	200	100
NV-24-320	320	136
NV-24-360	360	144
NV-24-550	550	220
NV-24-720	720	360