

Nova 6, 12 & 24V Steel Battery Units



Job/Location:

Contractor: Model Number:

Prepared By: Date:



PRODUCT OVERVIEW

The **NOVA** series of emergency lighting units are a family of specification grade 6, 12 and 24 volt battery units designed with two stage charging. The charging system offers superior performance and energy efficiency with solid state transfer. The **NOVA** unit is suitable for surface wall mounting, indoor installation. The **NOVA** is supplied standard in a durable white powder coat, baked finish. Other colours are available, including custom colour matching, please specify. The **NOVA** is supplied with 120/277/347VAC.

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. Key hole slots are also provided for additional mounting possibilities. Stamped conduit knockouts and a 120VAC removable line cord are supplied standard on all **NOVA** units, providing the widest range of options for AC power source connection.

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, 20W (35, 55W PAR36 only)	12, 20W (70W - PAR36 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
MR16 LED	N/A	consult factory for wattages	consult factory for wattages

ORDERING INFORMATION

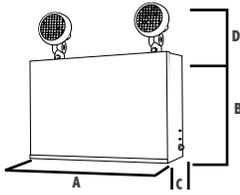
Series	Operation	Capacity (W)	Heads	Lamp Type	Options	Options (cont'd)
NV	6 (Volt DC)	See model rating guide	0 (None)	See lamp selection	CC (Custom colour - specify)	*TD (Time delay - specify 5, 10, 20 mins)
	12 (Volt DC)		1SR (PAR18, 1 head)		*TLP (Twist lock plug - specify type)	LD (Lamp disconnect)
	24 (Volt DC)		2SR (PAR18, 2 heads)		*CT (Cabtire cord set)	WG (Wireguard)
			BTMR1 (MR16, 1 head)		OBM (Octagon box mount-no LC)	ACTB (Terminal block AC)
			BTMR2 (MR16, 2 heads)		FD5 (5 circuit fuse distribution)	DCTB (Terminal block DC)
			1LR (PAR36, 1 head)		AT (Auto-test self-diagnostics)	BD (Battery disconnect)
			2LR (PAR36, 2 heads)		*RFS (Radio frequency suppression)	CPS (Constant power supply)
					*IRT (Infra-red remote test)	ADA (Audible alarm)
					MS (Mounting shelf)	FAI (Fire alarm interface - specify type)
					HHC (Hand held controller)	RB (Rubber heads)
					SMH (Side Mount Heads)	TC (Teflon coated lenses - SB only)
					A (Ammeter)	TP (Tamper proof screws)
					V (Voltmeter)	

*NOTE: AC voltage must be specified

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

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

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 160-180W) (12V 120-300W) (24V 144-320W)	15" (385mm)	9 1/2" (241mm)	4 1/4" (105mm)
(12V 360W)	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

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.

LAMP HEAD FEATURES

The **NOVA** series unit emergency lighting heads are supplied with two [2] top mounted PAR18 small style 9 watt thermoplastic heads in a matching colour. 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 (3 top, 2 sides). Both head types feature a unique locking twist collar that securely holds the lens and facilitates quick and easy re-lamping.

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). Recharge time of the battery is twenty-four [24] hours.

MECHANICAL SPECIFICATIONS

Remote lamp loads are connected to the emergency power supply with sturdy terminal connectors. These connectors allow for a large gauge of wire to be used increasing the flexibility of installations. CSA C22.2 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-6-72	72	27
NV-6-80	80	27
NV-6-90	90	36
NV-6-160	160	60
NV-6-180	180	72
NV-12-36	36	N/A
NV-12-50	50	N/A
NV-12-72	72	27
NV-12-90	90	36
NV-12-120	120	65
NV-12-150	150	65
NV-12-180	180	72
NV-12-200	200	72
NV-12-250	250	108
NV-12-300	300	140
NV-12-360	360	180
NV-24-144	144	60
NV-24-180	180	72
NV-24-200	200	72
NV-24-320	320	136
NV-24-360	360	144
NV-24-550	550	220
NV-24-720	720	360

*Note: Cabinet size may change based on your option combination. Consult factory for details.