



# NOVA

6, 12 & 24V Steel Battery Units



2SR 2W, 3W UNIT

Project Name: \_\_\_\_\_

Model Number: \_\_\_\_\_

Prepared By: \_\_\_\_\_

Date: \_\_\_\_\_

## FEATURES & BENEFITS

- 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
- 18 gauge steel cabinet
- Supplied with two top mounted small style 9W thermoplastic heads, other lamps available.
- Utilizes a temperature compensated charger with low voltage disconnect protection
- CSA 22.2 No. 141-15 Performance Certified

## BATTERY TECHNOLOGY

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 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.

## BELUCE AUTO-TEST (AT) - OPTIONAL

The BeLuce 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.

## ORDERING GUIDE

| SERIES | OPERATION                                   | CAPACITY               | <sup>9</sup> HEADS                                                                                                                                                                                               | LAMP TYPE          | AC VOLTAGE                                           | OPTIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------|---------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NV     | 6 (Volt DC)<br>12 (Volt DC)<br>24 (Volt DC) | See model rating guide | 0 (None)<br>1SR (Plastic, 1 head)<br>2SR (Plastic, 2 heads)<br>1BTMR (Metal, 1 head)<br>2BTMR (Metal, 2 heads)<br>1LR (PAR36, 1 head)<br>2LR (PAR36, 2 heads)<br>1TESSQ (One head, HO)<br>2TESSQ (Two heads, HO) | See lamp selection | 120/347V<br>120/277V<br>347V<br>120V<br>120/277/347V | NC (Ni-Cd batteries - refer to page 3)<br>CC (Custom colour - specify)<br><sup>7</sup> TLP (Twist lock plug - 120V only)<br><sup>7</sup> CT (Cabtire cord set - 120V or 347V only)<br><sup>2</sup> OBM (Octagon box mount)<br><sup>3, 7</sup> LC (Line cord - 120V only)<br>AT (Auto-test self-diagnostics-specify voltage)<br><sup>8</sup> RFS (Radio frequency suppression)<br><sup>6</sup> IRT (Infra-red remote test)<br>MS (Mounting shelf-refer to mounting shelf spec page)<br>HHC (Hand held controller)<br>SM (Side mount heads)<br><sup>5</sup> A (Ammeter)<br><sup>1</sup> TD (Time delay - specify 5, 10, 20 mins)<br>LD (Lamp disconnect)<br>WG (Wire guard-refer to wire guard spec page)<br><sup>5</sup> ACTB (Terminal block AC)<br><sup>5</sup> DCTB (Terminal block DC)<br>BD (Battery disconnect)<br>CPS (Constant power supply - 120V only)<br>ADA (Audible alarm)<br><sup>4</sup> FAI (Fire alarm interface - specify type)<br><sup>5</sup> FD5 (5 circuit fuse distribution)<br>120/277V (120/277V input)<br>TP (Tamper proof screws)<br><sup>3</sup> V (Voltmeter)<br>HT (High operating temperature)<br>ZSP (Zone sensing panel)<br>refer to Senso catalogue |

**NOTE:** Small charger 120/277/347V used with 6V50W, 12V120W and below. Large charger 24V, 6V72W, 12V150W and above. <sup>1</sup>Single AC voltage must be specified; <sup>2</sup>No line cord with 6V36W, 12V72W and below; <sup>3</sup>Default line cord for 6V36W, 12V72W and below; <sup>4</sup>Specify open/closed/12-24 VDC. Open and close is available in 120V only; <sup>5</sup>Not available with 6V50W or 12V36W and below; <sup>6</sup>120V or 347V only; <sup>7</sup>CT and TLP not available with LC; <sup>8</sup>120V, 347V only. Not available for 6V50W, 12V72W and below; <sup>9</sup>Consult factory for 3 or more heads.



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## PRE-BUILT INVENTORY FOR QUICK SHIP

| ORDERING CODE | SHORT DESCRIPTION       | LONG DESCRIPTION                                                                                 |
|---------------|-------------------------|--------------------------------------------------------------------------------------------------|
| 11501838      | NV1272-2SR5WLED-120347V | NOVA STEEL BATTERY UNIT 12V 72W FOR 30 MIN 2 PAR18 HEADS 5W LED LAMPS WHITE FINISH 120347V INPUT |
| 11502042      | NV636-2SR5WLED-120347V  | NOVA STEEL BATTERY UNIT 6V 36W FOR 30 MIN 2 PAR18 HEADS 5W LED LAMPS WHITE FINISH 120347V INPUT  |
| 11500122      | NV636-2SR9W-120347V     | NOVA STEEL BATTERY UNIT 6V 36W FOR 30 MIN 2 PAR18 HEADS 9W LAMPS WHITE FINISH 120347V INPUT      |
| 11503594      | NV-627-2SR-2WLED        | NOVA UNIT 6V 27W 2SR 2W LED HEADS 120347V INPUT                                                  |
| 11503489      | NV-636-2SR-2WLED        | NOVA UNIT 6V 36W 2SR 2W LED HEADS 120347V INPUT                                                  |
| 11503490      | NV-636-2SR-3WLED        | NOVA UNIT 6V 36W 2SR 3W LED HEADS 120347V INPUT                                                  |

## DIMENSIONS

FIGURE A

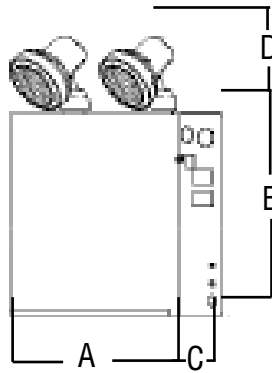
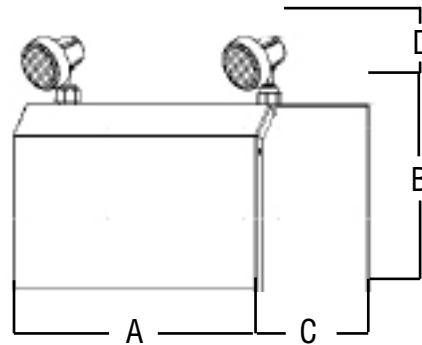


FIGURE B



| UNIT SIZE                                  | A               | B               | C              | D                                 | STEEL CABINET GAUGE | FIGURE |
|--------------------------------------------|-----------------|-----------------|----------------|-----------------------------------|---------------------|--------|
| (6V 18-50W) (12V 36-72W)                   | 12 1/4" (311mm) | 5" (127mm)      | 3" (76mm)      | will vary based on heads supplied | 20                  | A      |
| (6V 72-90W) (12V 100W)                     | 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 350-720W)                             | 18 1/8" (460mm) | 10 1/8" (257mm) | 8 1/2" (216mm) |                                   | 18                  | B      |

## LAMP SELECTION

|                              | 6V       | 12V                      | 24V                  |
|------------------------------|----------|--------------------------|----------------------|
| Composite Tungsten           | 9W       | 9, 12, 18W               | 9, 18W ( PAR36 only) |
| Quartz (Q)                   | 12W      | 12, 20 (55W, PAR36 only) | N/A                  |
| LED-MR16                     | 5, 7W    | 2, 5, 7W                 | 5, 7W                |
| MR16*                        | N/A      | 50W                      | N/A                  |
| LED Module                   | 2, 3, 4W | 2.5, 3, 4W               | N/A                  |
| TES                          | N/A      | 5, 9, 14, 30W            | 5, 9, 14, 30W        |
| Sealed Beam LED (PAR36 only) | N/A      | 6W                       | 6W                   |

\*MR16 not available in SR head.





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## MODEL RATING GUIDE

| MODEL         | WATTAGE |       |       |        |
|---------------|---------|-------|-------|--------|
|               | 30MIN   | 60MIN | 90MIN | 120MIN |
| NV-6-18       | 18      | n/a   | n/a   | n/a    |
| NV-6-36       | 36      | 18    | 12    | 10     |
| NV-6-40       | 40      | 18    | 18    | 12     |
| NV-6-50       | 50      | 25    | 18    | 15     |
| NV-6-50-NC*   | 50      | n/a   | 22    | 18     |
| NV-6-72       | 72      | 36    | 27    | 22     |
| NV-6-80       | 80      | 36    | 27    | 24     |
| NV-6-90       | 90      | 36    | 36    | 27     |
| NV-6-100      | 100     | 50    | 33    | 25     |
| NV-6-100-NC*  | 100     | n/a   | 42    | 35     |
| NV-6-160      | 160     | 80    | 60    | 48     |
| NV-6-180      | 180     | 120   | 72    | 54     |
| NV-6-180-NC*  | 160     | n/a   | 90    | 60     |
| NV-12-36      | 36      | 36    | 24    | 20     |
| NV-12-72      | 72      | 36    | 24    | 18     |
| NV-12-90      | 90      | 50    | 36    | 27     |
| NV-12-100-NC* | 100     | n/a   | 45    | 35     |
| NV-12-120     | 120     | 50    | 65    | 36     |
| NV-12-150     | 150     | 65    | 65    | 45     |
| NV-12-180     | 180     | 80    | 72    | 54     |
| NV-12-200-NC* | 200     | n/a   | 90    | 65     |
| NV-12-200     | 200     | 100   | 72    | 60     |
| NV-12-250     | 250     | 219   | 108   | 75     |
| NV-12-360     | 360     | 233   | 180   | 108    |
| NV-24-144     | 144     | 72    | 60    | 43     |
| NV-24-180     | 180     | 72    | 72    | 54     |
| NV-24-200-NC* | 200     | n/a   | 100   | 65     |
| NV-24-320     | 320     | 160   | 136   | 96     |
| NV-24-350     | 350     | 175   | 144   | 108    |
| NV-24-550     | 550     | 438   | 220   | 180    |
| NV-24-720     | 720     | 466   | 360   | 235    |

\*NiCad models available with 120/277/347V, 120V or 347V

It is recommended to load battery pack 20% under their maximum load.