

Product Data Sheet

UNIVERSAL ROAD FLARE

No. 411620 - 05/23

PRODUCT NUMBER:

- 11600 - SAFETY YELLOW KIT WITH AMBER LEDS - 2-PACK CHARGING CASE
- 11610 - SAFETY ORANGE KIT WITH RED LEDS - 2-PACK CHARGING CASE
- 11620 - SAFETY YELLOW KIT WITH AMBER LEDS - 4-PACK CHARGING CASE
- 11630 - SAFETY ORANGE KIT WITH RED LEDS - 4-PACK CHARGING CASE
- 11640 - SAFETY YELLOW WITH AMBER LEDS - SINGLE FLARE WITH CHARGING DOCK
- 11650 - SAFETY ORANGE WITH RED- LEDS - SINGLE FLARE WITH CHARGING DOCK



US Patent #D707,146 & 9,046,229



I. GENERAL DESCRIPTION

Features: Aervoe Universal Road Flares are available in three options: a charging case with 2 flares, charging case with 4 flares, or a single flare with a charging dock. Each option contains extremely durable, rechargeable 18-LED flares that are a safe alternative to incendiary flares. Each flare is made of crushproof polycarbonate plastic with an impact resistant rubber housing. It features 7 flash patterns, including S.O.S. Rescue Morse Code, with visible light range up to 2 miles. The housing is waterproof and will float. Also includes a strong magnet to attach it to any magnetic metal surface.

Kits #11600 & #11610 come with 2 LED road flares, a charging case, USB-A 2.0A to 5.5 mm x 2.1 power cable, and storage bag. Model #11620 and #11630 Kits have 2 additional flares (of the same color).

Single flare models #11640 & #11650 include 1 flare, a charging dock, and a USB-A 2.0A to Mini USB-B power cable.

Benefits: These rechargeable LED flares replace toxic incendiary flares. There is no smoke, flame, or ash created when as when incendiary flares are burned. The Universal Road Flare is a convenient way to signal detours or road hazards. It may be attached to a magnetic metal surface, including cars, trucks, and signs, using the heavy duty N35 magnet. The rechargeable design means there are no batteries to replace.

Uses: May be used in any weather condition. Ideal for road safety identification by emergency responders, or for personal vehicle operators as an emergency signaling device. May also be used on construction sites and in marine applications for boater emergency safety. Place on the road, any magnetic surface, in the water, and much more.

Warnings: Read operating instructions thoroughly prior to use. If used in wet environments, thoroughly dry flares prior to charging or storage to eliminate corrosion on charging contacts. Only use CE and C/UL certified AC and DC inputs and outputs as listed in the specification section. Failure to use the specified charger could be hazardous or cause damage to the product. Monitor during charging and disconnect when charging has finished.

DOT & Traffic Safety Compliance:

1. U.S. DOT (FMCSA) 49 CFR § 392.25 & 393.95 (g)
Prohibits the carrying of any flame-producing flare on any Commercial Motor Vehicle (CMV) transporting explosives; any cargo of flammable liquid or flammable compressed gas, whether loaded or empty; or any CMV using compressed gas as a motor fuel.
2. MUTCD Type A (flashing) and Type C (solid on)
3. NFPA 1901 Standards for Traffic Safety, Section 6.7.3 Miscellaneous Equipment.

Packaging:

| | | | |
|----------------------------|--------------------|--------------------|-------------------------|
| 11600/11610 Each Kit: | 3 lbs. (1.4 kg) | 0.2 CF (0.006 CM) | 10.75" x 3.375" x 9.75" |
| 11600/11610 Case (2/case): | 5.8 lbs. (2.6 kg) | 0.58 CF (0.016 CM) | 11.375" x 8.875" x 10" |
| 11620/11630 Each Kit: | 4.25 lbs. (1.9 kg) | 0.24 CF (0.007 CM) | 10.75" x 4" x 9.75" |
| 11620/11630 Case (2/case): | 8 lbs. (3.6 kg) | 0.58 CF (0.016 CM) | 11.375" x 8.875" x 10" |
| 11640/11650 Each: | 1 lb. (0.45 kg) | 0.06 CF (0.002 CM) | 5.125" x 2" x 9.75" |
| 11640/11650 Case (4/case) | 4.4 lbs. (2 kg) | 0.29 CF (0.008 CM) | 10.125" x 8.875" x 5" |

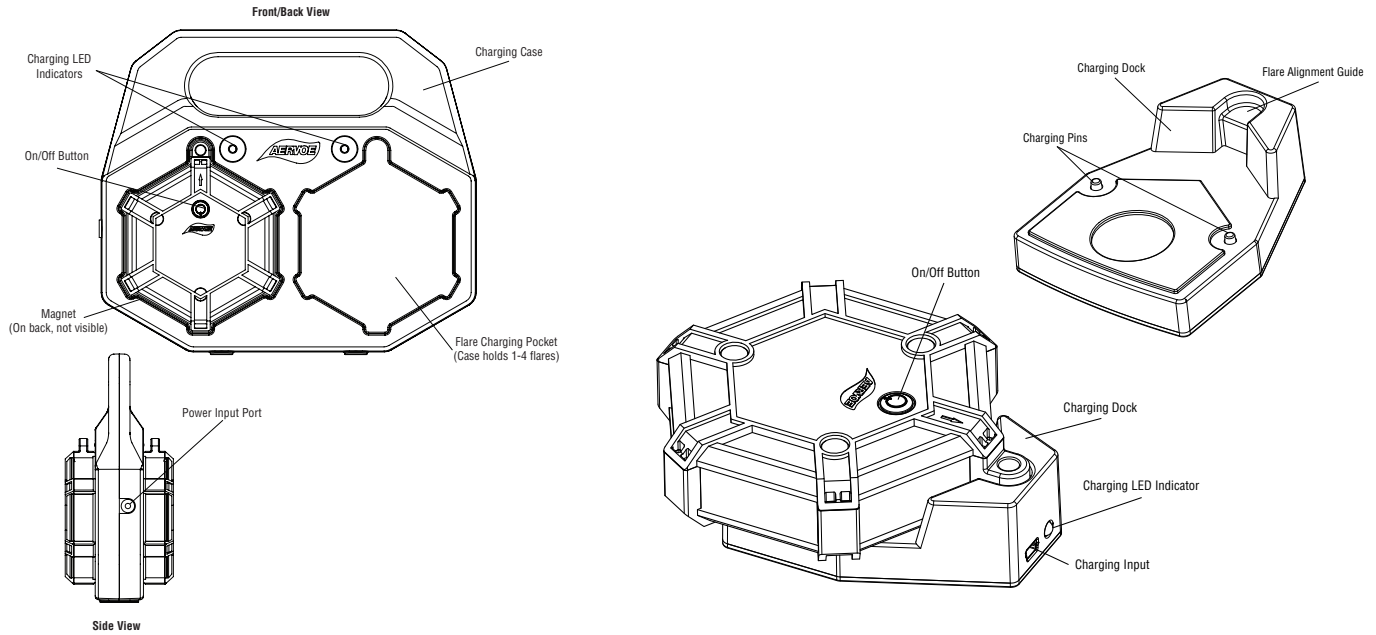


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II. DIAGRAM



III. SPECIFICATIONS

| | |
|---|---|
| Internal Rechargeable Battery..... | Lithium Polymer 1200mAh ~ 3.7V |
| 18 LED Bulbs..... | 5 mm; 20,000 MCD; 100,000 hour life |
| Charging Specifications 11640/11650: | |
| 120V AC/DC Charger (CE & C-UL Listed) | Input: 100-240V AC 50-60 Hz Output: 5V, 1200mA |
| 12V DC Charger (CE)..... | Input: 12V DC Output: 5V DC, 2.1A |
| Charging Specifications 11600/10/20/30: | |
| 120V AC/DC Charger (CE & C-UL Listed) | Input: 100-240V AC, 50-60 Hz, 0.5A Output: 6.5V 1200mAh |
| 12V DC Charger (CE)..... | Input: 12V DC Output: 6.5V, 1200 mAh Fuse: 250V DC, 2A ¼ x 1¼ glass fuse |
| Charging Times: | 1-2 Flares: 4-6 hours All 4 flares: 6-8 hours |
| Temperature Range..... | 14°F to 122°F (-10°C - 50°C) |
| Weight | 11600/11610: 2.6 lbs (1.2 kg) 11620/11630: 3.9 lbs (1.8 kg) 11640/11650: 0.75 lbs (0.34 kg) |
| Dimensions..... | 11600/11610: 10.5" x 3.25" x 9.125 (26.7 x 8.3 x 23.2 cm) 11620/11630: 10.5" x 3.875" x 9.125" (26.7 x 9.87 x 23.2 cm) 11640/11650: 5.5" x 4.5" x 2" (13 x 6.4 x 13.3 cm) |

| FLASH PATTERN | TYPICAL RUN TIME |
|---------------------------------|------------------|
| #1 - ROTATE | 15+ HOURS |
| #2 - QUAD FLASH | 15+ HOURS |
| #3 - ALTERNATING BLINKS | 15+ HOURS |
| #4 - QUICK FLASH | 20+ HOURS |
| #5 - S.O.S. RESCUE (MORSE CODE) | 23+ HOURS |
| #6 - STEADY ON | 9+ HOURS |
| #7 - 3-LED MARKER LIGHT | 36+ HOURS |

IV. SHIPPING, STORAGE AND HEALTH

| | |
|-------------------------------------|-------------------------|
| UN number | N/A |
| Proper Shipping Description..... | Not regulated material |
| Hazard Class | N/A |
| Packing Group..... | N/A |
| Limited Quantity..... | N/A |
| Warehouse storage level number..... | N/A |
| Storage temperature..... | 59° - 95°F (15° - 35°C) |
| Shelf life | 1-2 years |
| HMS ratings | |
| Health..... | N/A |
| Fire..... | N/A |
| Reactivity | N/A |

V. MISCELLANEOUS

VI. WARRANTY

1-year performance warranty on all products from date of purchase. Report to home office or local Aervoe representative for examination. Because Seller cannot control Buyer's handling or use of product, Seller makes no warranty expressed or implied when not used or stored in accordance with directions. Seller shall not be liable for cost of labor, incidental or consequential damages, and this warranty is limited to replacement of product or credit of purchase. No. 411620- 05/23