# E-PAPER DISPLAY, 13 INCH
## PASSENGER INFORMATION STATIONARY



**Potomac Station**
STOP# 2173

| ROUTE | | NEXT |
|---|---|---|
| X9 | | 3, 18 |
| **Minnesota Avenue Station** | | |
| 58 | | 5, 35 |
| **Shady Grove** | | |
| AT3 | | 7, 44 |
| **Pentagon Metro** | | |
| 28A | | 8, 32 |
| **West Falls Church** | | |



OPTIONALLY
AVAILABLE

## FEATURES

- State of the art display technology

- Real-time departure information at all transit stops, independent of the power grid

- Text-to-speech conversion ensures accessibility for the visually impaired

## MORE THAN JUST INFORMATION ON DEPARTURE TIMES

The display features a push button that enables scrolling between different pages of high resolution screen content. For example, we can configure the default page to show real-time departures. When the button is pressed, travellers can access additional content like overview schedules, maps, ticketing information, etc.
Text-to-speech conversion provides accessibility for the visually impaired.
Screen content and layouts can be managed via the corresponding background software.

## INDEPENDENT OF THE POWER GRID

The displays can be powered via a solar power module with a built-in storage battery.
Thus travellers can be provided with real-time travel information at stops which are not connected to the power grid.
Displays and solar power kits can be mounted onto existing structures like poles, walls, bus shelters, etc. with little effort. That means minimal costs for the infrastructure.

**LUMINATOR**
TECHNOLOGY GROUP

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## TECHNICAL DATA

| Display | |
|---|---|
| Technology | E-paper display |
| Screen Size | 13,3 inch |
| Aspect Ratio | 3:4 (width x height) |
| Color Depth | 4 levels of grayscale |
| Active Display Area | 202,8 mm x 270,4 mm (width x height) |
| Resolution | 1200 x 1600 pixels (width x height) |
| Brightness Control | LED lighting for nighttime operation is triggered by motion sensor |
| Contrast Ratio | > 10:1 |
| **Audio** | |
| Language | Text-to-speech conversion is possible in 19 different languages |
| Level | Volume of text-to-speech announcements is adjustable (day-night volume profiles) |
| Audio Trigger | External push button with integrated speaker |
| **Electrical properties** | |
| Operating Voltage | 12V DC (5V - 14V DC) |
| Power Consumption | Depends on mode of operation, in average 0,5 W |
| Solar power supply | 30 W solar panel, capacity of storage battery is either 128 Wh or 576 Wh |
| **Interfaces** | |
| Power In | 12V DC, 5-pin circular connector |
| Cellular | Data transmission via 4G cellular modem |
| Text-to-speech button | 5-pin circular connector for text-to-speech button with integrated speaker |
| **Mechanical properties** | |
| Weight | E-paper display: 5 kg, optional solar power kit either 6 kg (128 Wh) or 10,5 kg (576 Wh) |
| Housing Dimensions | E-paper display: 298 mm x 376 mm x 68 mm, solar power kit: 500 mm x 345 mm x 190 mm |
| Housing Type | Robust housing made of aluminum |
| Housing Finishing | Powder coated |
| Housing Color | All RAL colors available |
| Front glass | Laminated safety glass with anti-reflective coating on both sides, IR- and UV-protection filters |
| Mounting | Wall or pole mounting from behind, various brackets available |
| **Environment** | |
| Operating Temperature | -15°C to 40°C ambient temperature and simultaneous exposure to sunlight |
| Storage Temperature | -25°C to 70°C |
| Ingress Protection | IP54 |
| Impact Protection | IK10 |
| Cooling | Internal fans |
| **Standards** | |
| CE | Compliant |
| **Drawings** | |
| 2D Outline | e.g. 62438.MB (color RAL 7037) |

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