



# MURPHY®

by **ENOVATION** CONTROLS

## POWERVERVIEW® 1100

# LARGE FULL-COLOR DISPLAY BRINGS ENHANCED USER EXPERIENCE TO RUGGED APPLICATIONS



Boasts high-speed processor and high-definition display

10.6-inch display features rich color graphics

Easy-to-use configuration software

Bonded glare-free LCD screen



Enovation Controls brings a new experience to your applications with the PowerView® 1100. This large 10.6-inch display features a high-speed processor to boot quickly and seamlessly showcase graphics, transitions and videos. In addition to providing vital engine information, the PV1100 packs a high resolution display providing crisp graphics for your user interface.

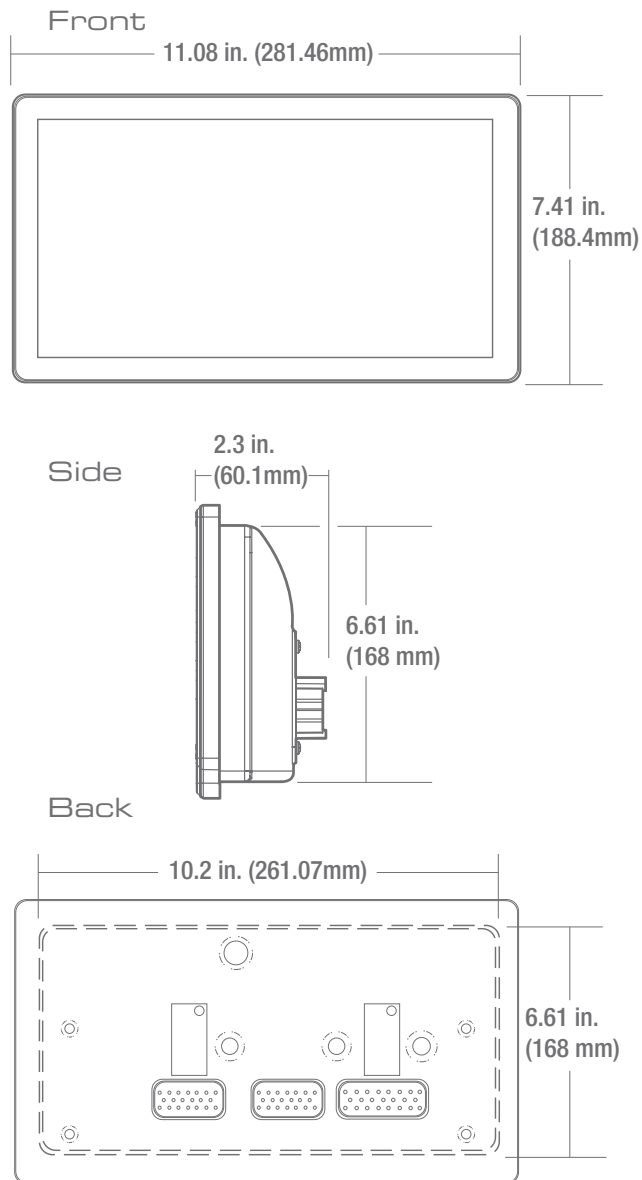
The display's bonded LCD can easily be viewed, even in full sunlight, and its available glove-friendly touchscreen and rugged design make it a perfect solution for all types of environments and applications.

The full-featured, configurable PV1100 is available in portrait or landscape options.

Customization of the display is accomplished quickly via graphical programming or scripting with PowerVision Configuration Studio® software. This tool allows for quick creation of personalized user interfaces, custom parameters and specialized graphics for on-screen text, OEM branding and more.

# POWerview® 1100

## DIMENSIONS



## SPECIFICATIONS

### COMPUTING:

- Main Processor: Renesas R-Car M2, 32 Bit Arm Cortex A15 Processor @ 1.5 GHz
- Operating System: QNX® Realtime Operating System
- Storage: 8 GB Flash memory
- RAM: 512 MB DDR3-SDRAM
- Renesas graphics processor

### DISPLAY:

- Type: 10.6" (231.36 mm [H] x 138.82 mm [W]) LVDS TFT LCD with LED backlight, 24-Bit color
- Resolution: 1280 x 768
- Contrast Ratio: Typ. 1000:1
- Brightness: 1000 cd/m<sup>2</sup>
- Surface: Anti-glare
- Touch Panel: Projected capacitive (PCAP) with Glove touch

### HARDWARE:

- Real Time Clock: Available with battery backup
- Connectors: (2) Ampseal 23 pin (Main)  
(1) Ampseal 35 pin (optional)  
(1) M12, 5-pin (optional)  
(1) USB pigtail  
(1) Radio Antenna Jack (optional)
- Video Inputs: (3) NTSC/PAL

### COMMUNICATION:

- CAN: (2) CAN 2.0B according to ISO-11898-2; J1939 and proprietary messaging
- Serial: RS-485 serial (Modbus: Master/Slave)
- USB: USB 2.0 Full Speed Host

### ELECTRICAL:

- Operating Voltage: 6 – 36 VDC, Reverse polarity protected
- Outputs: (1) 500mA Switched Low-side  
(1) Frequency Output (2Hz – 3KHz)
- Inputs: (3) Analog 0 – 5 VDC, 4-20mA, Resistive, 10-bit resolution  
(5) Discrete digital, active-high  
(1) Frequency In (2Hz-10kHz) 5V pk-pk min, 49V pk-pk max

### ENVIRONMENTAL:

- Operating Temperature: -20°C to +70°C (-4°F to +158°F)
- Storage Temperature: -40C to +85C [-40F to +185F)
- Protection: IP66 and IP67, front and back, for outdoor use
- Vibration: 7.86 Grms (5 – 2000Hz), 3 axes
- Shock: ±50G in 3 axes
- EMC/EMI: SAEJ1113, ISO13766, CE per 2014/30/EU

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