



# MURPHY®

by **ENOVATION** CONTROLS

## POWerview® 1100

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



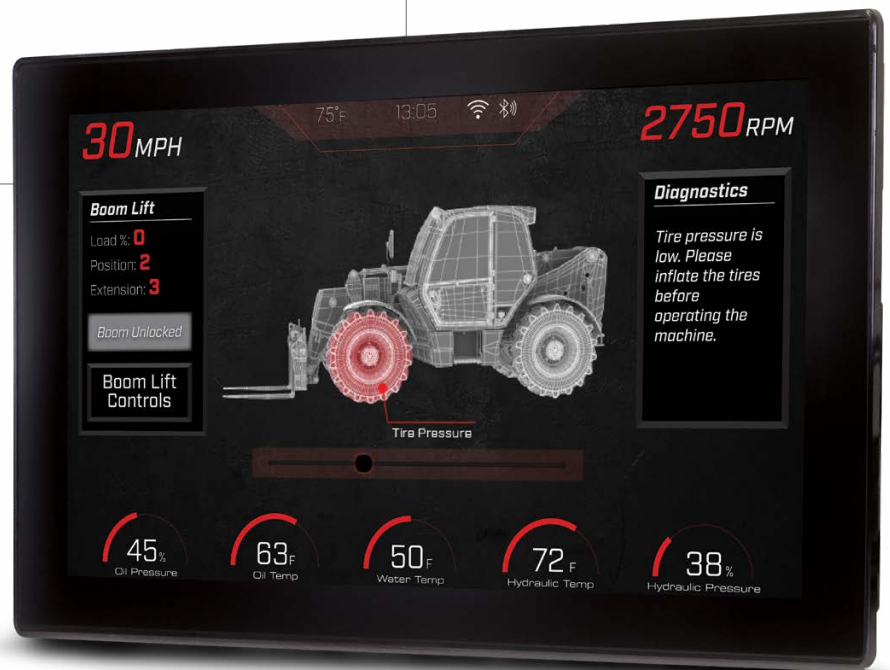
10.6-inch high-definition display featuring rich color graphics

Powerful processor for smooth animations and video playback

8 GB flash memory storage

Easy-to-use configuration software

Bonded glare-free LCD screen for superior visibility in sunlight



*Graphic interface not included, custom configuration required*

The PowerView 1100 is a full-color configurable display that integrates vital engine, transmission and diagnostic information into an easy-to-read operator interface. This large 10.6-inch high-definition display features expansive storage and a high-speed processor to boot quickly and seamlessly showcase graphics, transitions and videos.

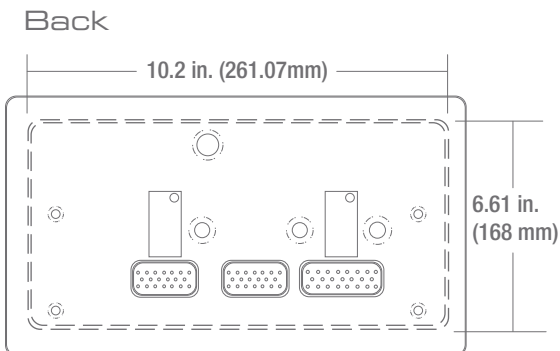
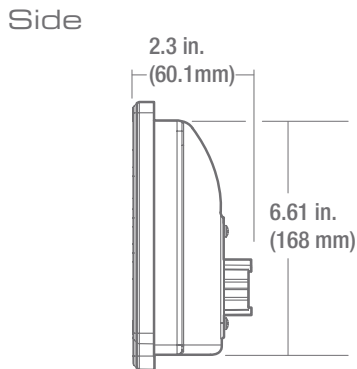
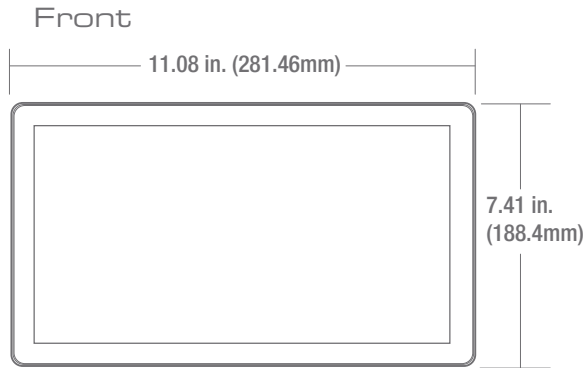
The display's bonded LCD can easily be viewed in full sunlight, and its available glove-friendly touchscreen and rugged design make it a perfect solution for all types of environments and applications.

The 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:

- Processor: Renesas® R-Car M2 with Arm® Cortex®-A15 dual-core processor @ 1.5 GHz (32-bit)
- Operating System: QNX® Realtime Operating System
- Storage: 8 GB flash memory
- RAM: 512 MB DDR3-SDRAM
- Graphics: Renesas graphics processor

### DISPLAY:

- Screen Size: 10.6 inches (231.36 mm × 138.82 mm)
- Type: LVDS TFT LCD with LED backlight, 24-bit color
- Resolution: 1280 × 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 [Ethernet] (optional)
  - (1) USB pigtail
  - (1) Radio antenna jack (optional)
- Video Input: (3) NTSC/PAL (single channel viewable)

### COMMUNICATION:

- CAN: (2) CAN 2.0B according to ISO 11898-2, J1939 and proprietary messaging
- Serial: RS-485 serial (Modbus: master or slave)
- USB: USB 2.0 full speed host
- Ethernet: 1 X Ethernet 10/100 Base-T (optional)
- Wi-Fi: 802.11 b/g radio (optional)
- Bluetooth: Fully integrated Bluetooth 2.1, class 1 (optional)

### ELECTRICAL:

- Operating Voltage: 6 – 36 VDC, reverse polarity protected
- Outputs:
  - (1) 500 mA switched low-side
  - (1) Frequency output (2Hz – 3KHz)
- Inputs:
  - (3) Analog 0 – 5 VDC, 4-20 mA, 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: -40°C to +70°C (-40°F to +158°F)
- Storage Temperature: -40°C to +85°C (-40°F to +185°F)
- Protection: IP66 and IP67, front and back, for outdoor use
- Vibration: 3.9 Grms (10 – 350Hz), 3 axes (ISO 15003)
- Shock: ±50G in 3 axes
- EMC/EMI: SAE J1113, ISO 13766, CE per 2014/30/EU

**ENOVATION CONTROLS CORPORATE HEADQUARTERS**  
5311 S 122ND EAST AVENUE  
TULSA, OK 74146

**ENOVATION CONTROLS LTD. – UNITED KINGDOM**  
CHURCH ROAD LAVERSTOCK  
SALISBURY SP1 1QZ UK

**SUN MURPHY INTERNATIONAL TRADING (SHANGHAI) CO., LTD**  
B15 ROOM, 6# BUILDING, 351 SIZHUAN ROAD  
SONGJIANG DISTRICT, SHANGHAI 201601, CHINA

**ENOVATION CONTROLS INDIA PVT. LTD.**  
301, 3RD FLOOR, KRSNA CHAMBERS,  
11 GALAXY GARDENS, NORTH MAIN ROAD,  
KOREGAON PARK, PUNE 411001,  
MAHARASHTRA, INDIA

### U.S. SALES & SUPPORT

PHONE: 918 317 4100  
EMAIL: SALES@ENOVATIONCONTROLS.COM  
WWW.ENOVATIONCONTROLS.COM

### MURPHY INDUSTRIAL PANEL DIVISION

PHONE: 918 317 4100  
EMAIL: IPDSALES@ENOVATIONCONTROLS.COM

### INTERNATIONAL SALES & SUPPORT

**EUROPE, MIDDLE EAST, AFRICA**  
PHONE: +44 1722 410055  
EMAIL: SALES@ENOVATIONCONTROLS.EU

**CHINA**  
PHONE: +86 21 6237 5885  
EMAIL: APSALES@ENOVATIONCONTROLS.COM

**INDIA**  
PHONE: +91 91581 37633  
EMAIL: INDIA SALES@ENOVATIONCONTROLS.COM



FM 28221 (Tulsa, OK - USA)  
FM 29422 (UK)