MURPHY®
by **ENOVATION** CONTROLS

POWERVIEW®
1100

- 10.6-inch high-definition display for rich color graphics

- Powerful processor for smooth animations and video playback

- Glass display surface offers enhanced clarity and strength

- Bonded glare-free LCD screen for superior visibility in sunlight

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

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 that boots quickly and can render high-quality graphics and animations.

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.

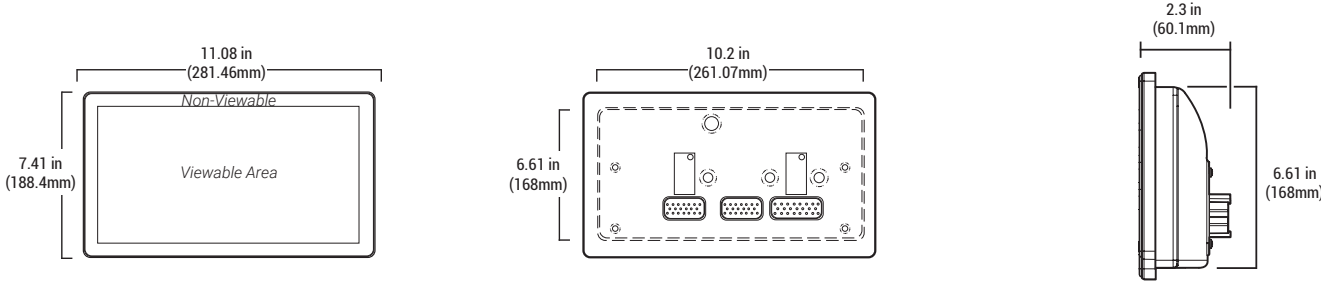The PV1100 is available in portrait or landscape options.

BUILT FOR POWERVISION

PowerVision Configuration Studio® software lets programmers design stunning user interfaces, create intelligent applications with scripting and prototype quickly with a vast library of standard engine parameters.

Tier 4 Final ready Stage IV

IP 67

POWERVIEW® 1100

DIMENSIONS

11.08 in
(281.46mm)

7.41 in
(188.4mm)

Non-Viewable

Viewable Area

10.2 in
(261.07mm)

6.61 in
(168mm)

2.3 in
(60.1mm)

6.61 in
(168mm)

PRODUCT 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 x 768
CONTRAST RATIO	Typ. 1000:1
BRIGHTNESS	1000 cd/m²
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 INPUTS	(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
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
OUTPUTS	(1) 500 mA switched low-side (1) Frequency output (2Hz – 3KHz)

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

⚠ **WARNING**: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

FOR MODEL & PART INFORMATION
ENOVATIONCONTROLS.COM/PV1100

FOR MANUAL & SUPPORT DOCUMENTS
SUPPORT.ENOVATIONCONTROLS.COM

FOR SUPPORT & WARRANTY
ENOVATIONCONTROLS.COM/SUPPORT

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