

Optically-bonded 5-inch LCD  
designed for harsh environments

High-brightness screen for full  
sunlight viewability

Glass display surface offers  
enhanced clarity and strength

Glove-friendly touch panel



## FEATURE-RICH GLASS-FRONT DISPLAY BRINGS RUGGED PERFORMANCE FOR SMALL FOOTPRINTS

For rugged applications without a lot of space, the PowerView 500 is the perfect fit. With a 5-inch LCD screen, operators can get the full view of their equipment on a single all-weather display.

Perfect for all kinds of vehicles and equipment, the PV500 is easily viewed in full sunlight and contains an optically-bonded high-bright LCD inside its IP67-rated case to keep it safe in all weather environments.

Equipped with a high-speed processor, the PV500 delivers seamless graphics, animations and video for a rich user experience.

The PV500 is available with a glass-front, with a glove-friendly touchscreen and non-touchscreen models to suit the needs of your application.

### 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.



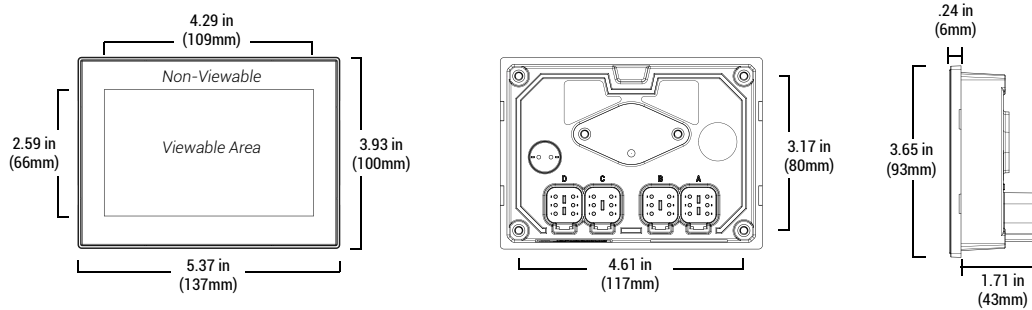
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## POWerview® 500

### DIMENSIONS



### PRODUCT SPECIFICATIONS

COMPUTING		COMMUNICATION	
<b>PROCESSOR</b>	Renesas® RZ/G1E Arm® Cortex®-A7 dual-core processor @ 1.0 GHz	<b>CAN</b>	(2) CAN 2.0B according to ISO-11898-2; J1939 and proprietary messaging
<b>OPERATING SYSTEM</b>	QNX® Realtime Operating System	<b>SERIAL</b>	(1) RS-485 MODBUS Master/Slave Port
<b>STORAGE</b>	8 GB flash memory	<b>USB</b>	USB 2.0 full speed host
<b>RAM</b>	256 MB DDR3-SDRAM		
DISPLAY		ELECTRICAL	
<b>DISPLAY AREA</b>	5" (108mm [H] x 64.8mm [V])	<b>OPERATING VOLTAGE</b>	6 – 36 VDC, reverse polarity protected Min current draw @ 24V: 0.202A Max current draw @ 24V: 0.297A Min current draw @ 12V: 0.318A Max current draw @ 12V: 0.438A
<b>TYPE</b>	LVDS TFT LCD with LED backlight, 24-bit color	<b>INPUTS</b>	(1) Analog 0–5 VDC, 4–20 mA, resistive, 10-bit resolution (1) Discrete digital, active-high
<b>RESOLUTION</b>	800 x 480 (WVGA)	<b>OUTPUTS</b>	(2) 500 mA switched low-side
<b>CONTRAST RATIO</b>	Typ. 1000:1		
<b>BRIGHTNESS</b>	900 cd/m <sup>2</sup> (900 nits)	ENVIRONMENTAL	
<b>SURFACE</b>	Anti-glare	<b>OPERATING TEMPERATURE</b>	-30°C to +85°C (-22°F to +185°F)
<b>TOUCH PANEL</b>	Projected capacitive (PCAP) with glove touch	<b>STORAGE TEMPERATURE</b>	-40°C to +85°C (-40°F to +185°F)
HARDWARE		<b>PROTECTION</b>	IP66 and IP67, front and back, for outdoor use
<b>REAL TIME CLOCK</b>	Li-Ion battery backup (Typ. lifespan 10 years) non-rechargeable, non-replaceable	<b>VIBRATION</b>	Random vibration, 8.17 Grms (5–2000Hz), 3 axes
<b>CONNECTORS</b>	(4) 6-position DEUTSCH® style DT series	<b>SHOCK</b>	±50G in 3 axes
<b>VIDEO INPUTS</b>	(2) NTSC/PAL (single channel viewable)	<b>EMC/EMI</b>	SAE J1113, ISO 13766, CE per 2014/30/EU

FOR MANUALS, SUPPORT DOCUMENTS, AND WIRING DIAGRAMS PLEASE VISIT:

[www.macquarrie.com.au/collections/powerview-displays](http://www.macquarrie.com.au/collections/powerview-displays)