



TELECOMMUNICATION TRAILERS FOR ALL NEEDS

Provides Solar Powered Temporary and Semi-Permanent Telecommunication Coverage on Wi-Fi, Mobile 4G/5G, or works as a cellular repeater site.

(Provided with Industrial WiFi-6*, Mobile 4G/5G Network*, or a cellular repeater)

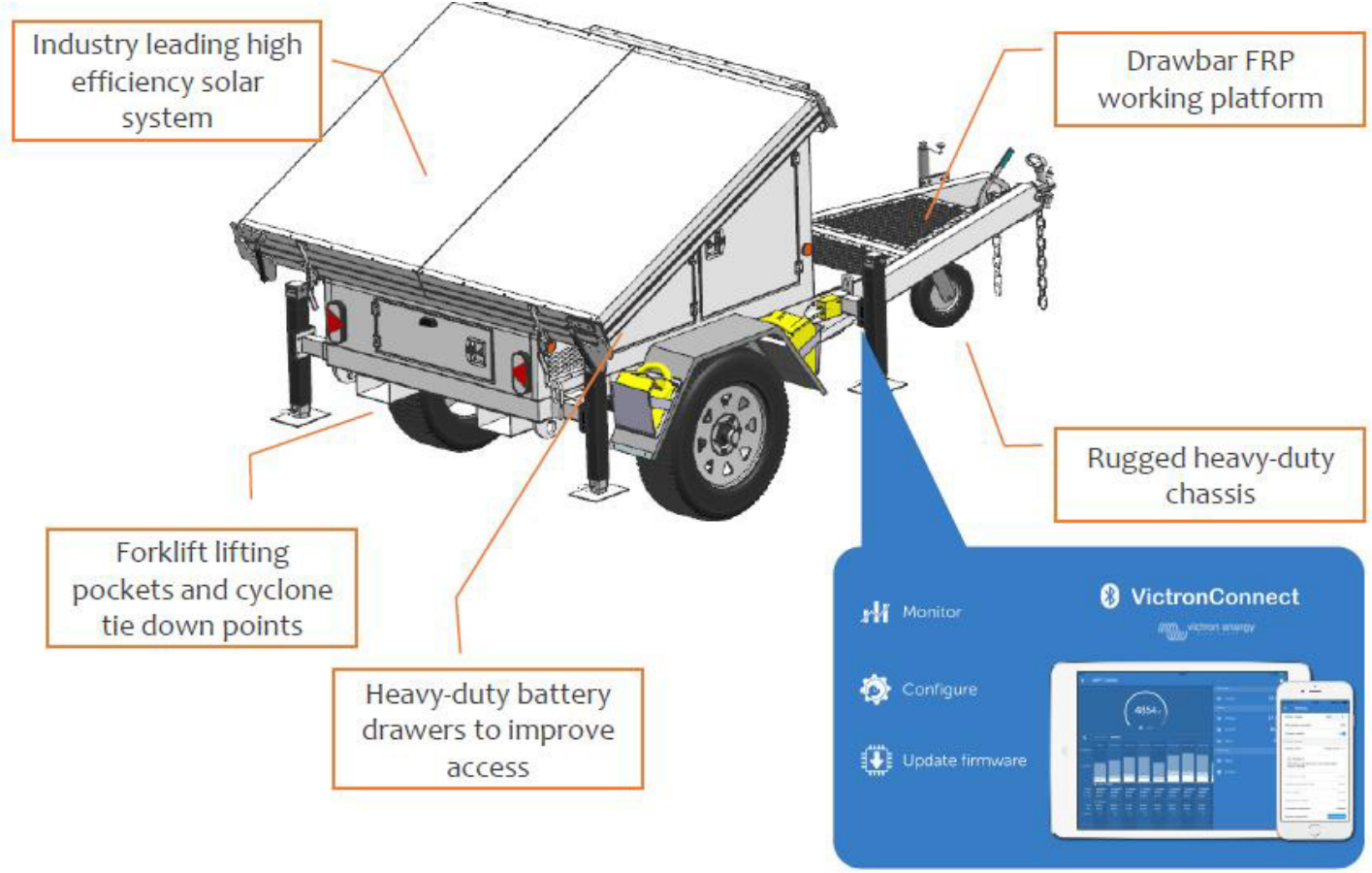
*Satellite connectivity is included

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TRAILER UNIVERSAL BASE DESCRIPTION



TRAILER SPECIFICATION				FEATURES
MAKE	Solacraft	COUPLING	50mm or ring coupling	Rugged single axle chassis with lockable ventilated battery enclosure
MODEL	X6-MCM	TYRE/RIM	31 x 10.5 R 15 LT	Heavy duty battery drawers for safe and easy access to batteries
TYPE	Single Solid Axle Solar	BRAKE	Override cable w/ handbrake	Internal mounting points for multiple IP66 rated equipment cabinets
TARE/AGG (kg)	1375/1500	L x W x H (mm)	4050 x 1781 x 2010	Victron Energy regulators with Bluetooth and VE. Connect remote access
MAST	Vertical fixed, telescopic SHS	MAST WINCH	Brake Hand Winch	Rear forklift pockets and cyclone tie down points
SOLAR	400w Sunpower MAX 3	REGULATOR	Victron Smart Solar 150I60	Hot dip galvanised chassis and powder coating on most components
BATTERY	6 x 150Ah 12V Gel	CONNECTIVITY	Victron Connect	Heavy duty suspension and all terrain off road tyres

TRAILER OPTION 1 – WIFI 6 OVERVIEW

Wi-Fi 6 equipped trailer is supplied in two different configurations:

- ✔ OMNI WiFi access point for low dense coverage (Mining Explorations sites, Constructions, etc..) where there are not too many subscribers (Up to 127) are located around the trailer. The coverage area in the rural (no Wi-Fi interference) is up to 1km, subject of terrain
- ✔ 3 Sectors (120 degree) Directional Antennae for high dense coverage (festivals, camping, carnival areas) or when the directed coverage is required. Capacity is 127 subscribers per sector (381 in total).




TRAILER OPTION 1 – WI-FI 6 TECHNICAL INFORMATION

Internet Connectivity powered by “Starlink”, anywhere, in Australia

Up to 250 Mbps Download and 25 Mbps Upload per site



	OMNI Wi-Fi	3 Sectors I Wi-Fi
Maximum Range	1 km	1.2 km
Maximum Number of Users	127	381
Mesh Network	Supported	Supported
Internet Connectivity	Starlink	Starlink
Maximum Speed DL	250 Mbps	250 Mbps
Maximum Speed UL	25 Mbps	25 Mbps



Industrial Wi-Fi 6 with OMNI or 3 Sectors

Wi-Fi Mesh network is supported for future coverage extension

WPA3, WPA2, WPAPSK, WEP, Open Security Options

Outdoor IP67 rated, -40°C to 65°C

TRAILER OPTION 2 – 4G/5G MOBILE NETWORK OVERVIEW

- ✓ The trailer has 3 Sectors 4G or 5G base station to provide the private network on the commercial phones during deployment
- ✓ Base stations are connected back to Cloud Based Core in Melbourne datacenter, SIM cards are issued for all required users
- ✓ Coverage area may be up to 10-15 kilometers, depending on technology, frequency band, power, and landscape
- ✓ This solution requires ACMA apparatus license for each deployment, or deployment must be approved/performed by the radio frequency license holder prior to deployment
- ✓ The exact technology (4G or 5G), frequency, etc are discussed with each customer before the trailer deployment. ACMA licences and other regulatory approvals will be assisted by Private LTE.

TRAILER OPTION 2 – 4G/5G MOBILE NETWORK TECHNICAL INFORMATION

Internet Connectivity
powered by “Starlink”,
anywhere in Australia

Up to 250 Mbps
Download and 25 Mbps
Upload per site



UK Manufactured 4G/5G
Sector Base Station

Support for major
Australian FDD/TDD bands

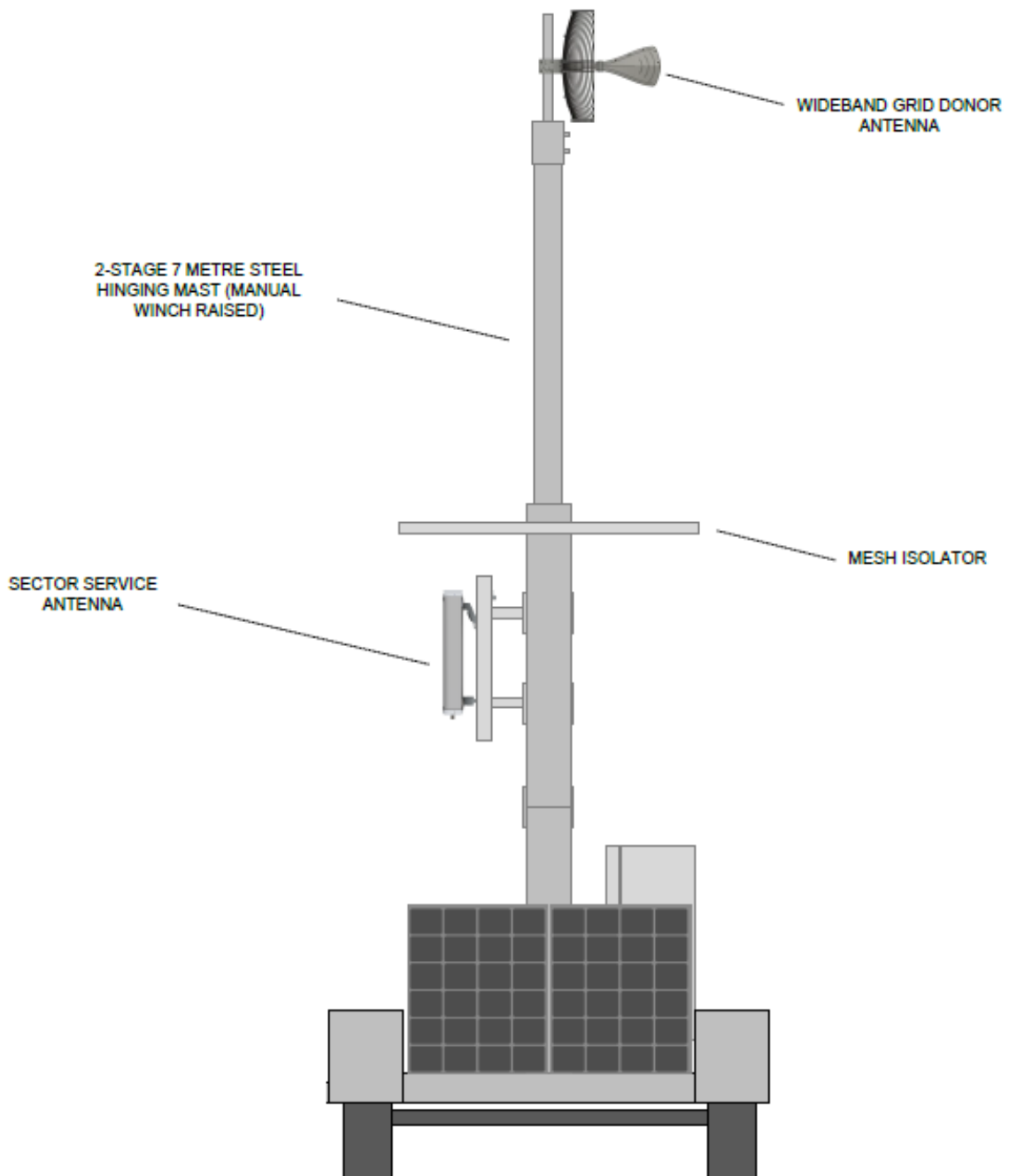
MIMO 2x2, 10W per port

In-built GPS, Galileo,
GLONASS synchronisation

IoT support

Outdoor IP67 rated, -20°C
to 55°C

TRAILER OPTION 3 – MOBILE REPEATER



Based on Australian popular Cel-Fi GO G41 Smart Signal Repeater for the Telstra or Optus or Vodafone / TPG Networks

Designed to boost mobile coverage in remote areas where coverage generally exists from, but on low level

Boosts signal of the commercial operators, allowing the general public to use their mobile phones



Get a new boost for your Business with own Private LTE Network. Talk to our experts today!

CONTACT INFO

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