

Communications Infrastructure Specifications

MTGA 250 Series Trailer/Skid

The MTGA 250 series trailer and skid is a mobile communications infrastructure solution designed to support approximately 130 – 230 Watts of continuous power draw with an effective redundancy of up to Five (5) days on batteries alone. The trailers/skids are designed to handle the harsh Australian environment and are generally maintenance-free. Our clients typically utilise this model of trailer/skid to support LTE or Wi-Fi mesh networks.

This solution utilises four (4) high-efficiency 360 - 400 Watt solar panels using a patent-pending sliding assembly allowing for safe, simple, and easy single-person deployment. Having a sliding array assembly enables compact stow for transport eliminating an elaborate set-up and pack-down process for multiple solar panels.

The trailer/skid supports a 5 – 8-metre linear actuator mast (rotational headstock optional) for the deployed equipment, and includes two (2) IP66 rated enclosures housing the power equipment and communications hardware. The trailer/skid can support up to a 14-metre mast of any required type.

The 250 series trailer/skid feature batteries housed within an ergonomically designed tray and sliding drawer assembly to provide ease of access. The trailer model is also ADR compliant and specifically designed to weigh less than two (2) tonnes so that they can be road licensed and towed by a light vehicle if required.

| Specifications | |
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| Mass | Approx. 1500-1800 kg |
| Type | ADR Compliant Trailer/skid |
| Power Output (Cont.) | 130 – 230 Watts |
| Mast Height | 5 – 14 metres |
| Mast Type | Linear actuator (other as requested) |
| Supported Headload | 35 kg |
| Supported Wind | 85km/h if deployed 120km/h stowed |
| Battery Redundancy | Up to 5 Days |
| Solar Panels | 4 x 360 - 400 Watt |
| Batteries | 4 - 16 x 12V 120Ah or 6V 225Ah Deep Cycle AGM or 12V 150Ah LiFePO4 |
| Battery Configuration | 12V / 24V / 48V |
| Enclosures | 2 x IP66 Mild Steel Powder-Coated (600x600x300mm) or (800x600x300) |

