

Communications Infrastructure Specifications

MTGA Omni Trailer

The MTGA omni trailer is a mobile communications infrastructure solution designed to support up to 250 Watts of continuous power draw with an effective redundancy of up to seven (7) days on batteries alone (depend on power consumption and series). The trailers are designed to handle the harsh Australian environment and are generally maintenance-free.

This solution utilises two (2), three (3) or four (4) high-efficiency 415-Watt solar panels in a fixed or sliding arrangement.

The trailer includes two (2) IP66-rated enclosures housing the power equipment and communications hardware. The trailer is standard with 8m (9.5m with headstock) electric actuated Innomast. The trailer can also support up to a 12-metre mast of any required type.

The omni trailers feature batteries housed within an IP-rated box to provide weather protections for durability. The trailer is also ADR compliant and specifically designed to weigh less than two (2) tonnes so that it can be road licensed and towed by a light vehicle.

Specifications	
Mass	Omni 2 - 1000 kg Omni 3 - 1130 kg Omni 4 - 1275 kg
Type	ADR Compliant Trailer
Power Output (Cont.)	Omni 2 - Up to 110W Omni 3 - Up to 200W Omni 4 - Up to 250W Location dependent
Mast Height	5 – 12 metres
Mast Type	Innomast-linear actuator (other as request)
Supported Headload	Up to 35 kg
Supported Wind	85km/h deployed 120km/h stowed
Battery Redundancy	Up to 7 Days
Solar Panels	Omni 2 - 2x415W Omni 3 - 3x415W Omni 4 - 4x415W
Batteries	48V 150Ah LiFePO4 Omni 2 - 1xbattery Omni 3 - 2xbattery Omni 4 - 3xbattery
Comms cabinet voltage	-48V as default 12V and 24V available on request
Enclosures	2 x Mild Steel Powder-Coated (600x600x300mm)

