

MTGA 2000 Series Semi-Portable Base Station

The MTGA 2000 Series Semi Portable Base Station is a modular, standalone, fully self-supporting unit initially designed to support a single or multi-sector LTE system including microwave backhaul, or any other high-power communications requirements. All units are designed and manufactured to your specifications in our Western Australian workshop, allowing for direct access from design to deployment.

The 2000 series base station is designed to effectively be a standard tower replacement eliminating the need for costly site services, site engineering and deployment into a semi-mobile, self-sustaining easily deployable and low relative cost solution.

The 2000 series is a modular style base station solution, which can utilise between 14 and 42 high-efficiency solar panels in an array designed for safety in deployment of the panels as well as quick and easy site establishment. The array configuration means that the base station is relatively compact and eliminates an elaborate setup and pack down process for multiple solar panels. The 2000 series base station can support up to 4000 watts of continuous power draw with an effective redundancy of three to four days on batteries, or more when adding further modular units, with a further five days on generator power.

The base station typically utilises a standalone mast in the standard design ranging from 20m upwards.

The 2000 Series Semi Portable Base Station operates on a 24-hour continuous use basis. All components are rated for use under harsh mine site environment conditions.

MTGA have utilised an air-conditioned shelter or rack for the communication equipment and batteries, which maintains all equipment and power supplies below 35 degrees Celsius.

Specifications	
Type	Semi-Portable Base Station
Power Output (Cont.)	1500 – 4000+ Watts
Battery Redundancy	Up to 5 Days
Generator Redundancy	6 Days (200L Tank)
Solar Panels	14 to 42 x 360 - 400 Watt
Batteries	48 x 12V/120Ah AGM, 96 x 2V/350Ah or 490Ah Deep Cycle, or LifePO Cells
Battery Configuration	48V
Power Backup	3.0 kVA 48V/240V Yanmar Generator
Enclosures	1 x Double-walled insulation shelter, or air conditioned rack with mild steel enclosures