

MODULAR ENERGY FOR REMOTE, OFF-GRID SOLUTIONS

ModX1 - Fixed Frame Engineered Solar System

Easy to install and operate
in remote environments



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Introducing Valen ModX1

Valen ModX1 is the brainchild of accumulated years of experience supporting clients with their remote power requirements. As the world continues to evolve into the AI space, power in remote locations is becoming increasingly essential.

Valen ModX1 is designed utilising a tried and tested range of Valen core products, allowing the ModX1 to perform in perfect synchronisation.

Valen ENLiFEN Lithium Iron Phosphate Battery technology, Valen Industrial Field Cabinets, Valen Solar Panels and Victron Solar Controllers all come standard, with optional extra's able to be added to retrofit to your project requirements.

ModX1 is maintenance-free and easy to install and operate making it an ideal solution for the remote extreme-temperature regions of Australasia.



Advantages of ModX1

- Built and engineered in Australia means product support and spares are readily available
- All components are under 80kg for easy transportation
- Easy installation by securing the unit to ground with dynabolts.
- Portable system structure available as an option for sites with changing requirements
- Solar panels are able to be installed at ground level minimising the need for WHS equipment
- Remote monitoring for easy tracking of multiple remote sites
- Compatible with Starlink. (Only when using AC option)
- Suitable for telemetry, hydrology and CCTV, environmental monitoring, IoT, radio sites

ModX1 SPECIFICATIONS

Key Features	Pre-engineered, pre-built and pre-wired
Solar Capacity	440W
Solar Charge Controller	30A
Panel Angle	30 degrees
Enclosure	2/3mm Painted Gal Steel, Vented
Battery Technology	Valen's ENLiFEN Lithium Iron Phosphate (8000 cycles to 80% DOD)
Battery Capacity	2.4 - 9.6kWh Includes 65A Battery Protected MCB supply and a non-protected MCB supply
Power Outputs Available	DC- 12V, 24V as standard (AC option)
Dimensions	700mm(L) x 750mm(W) x 2000mm(H)
Designated Available Equipment space	10RU+
Monitoring Options	Worldwide via ethernet or local with Bluetooth. (Cloud, Modbus TCP/IP, VRM Platform)
Options	SNMP, DNP3, Satellite
Foundations	Pre-engineered foundations upon request.