

Solar Series MAPPS

The Solar Series MAPPS system is an all-purpose power system from the leaders in off-grid solar solutions. As the only solution specifically designed for airfields, the Solar Series MAPPS is your solution for reliable, affordable power when and where it is needed. Building a system that works takes time, the experts at Aviation Renewables will use experience gleaned from installations all over the globe to build a system that will operate any piece of electrical equipment in your specific climate. Every system is custom designed with the highest quality materials to ensure years of reliable power with zero electricity costs.



FEATURE BENEFITS

RELIABILITY WHERE IT IS NEEDED

Solar Series MAPPS systems are engineered, designed and tested to supply year-round power availability. Using the toughest components and proprietary computer modeling, the MAPPS system provides years of worry-free reliability.

LOW PROFILE, FRANGIBLE

Solar Series MAPPS systems are designed specifically for airfields. The low profile design, trunk-style enclosure and frangible mounts ensure that safety is the first priority for the airfield.

LOWER COSTS

The Solar Series MAPPS is constructed of quality components that are designed to be completely autonomous and operate with zero electricity costs. The weatherproof enclosure, sealed gel batteries and solid-state controller require no scheduled maintenance, saving both time and money.

EASE OF INSTALLATION

All Solar Series MAPPS systems come complete with an easy to follow instruction manual, system schematics and a colour coded, pre-cut wiring harness. In addition, the low voltage of the system means simple safety precautions will prevent injury.



SPECIFICATIONS

SOLAR

Type	High-efficiency Photovoltaic Modules
Size	Custom to your needs (50W to >100KW)
Mounting Options	Pole mount or ground mount-frangible aluminum is standard Custom mounting options are available

CONTROL

Type	Solid State UL Listed Control System, Temperature Compensated Battery Charging
Operating Profile	Dusk to Dawn or 24/7, other profiles by request

ENERGY STORAGE

Type	Sealed Gel-type, Maintenance-Free Batteries Approved for Air Transport
Enclosure	Weatherproof, Aluminum Battery Enclosures with extra room for equipment Low profile, trunk style enclosure is standard

OUTPUT

Power	Using historical NASA data, each system is customized for specific climate and electrical load requirements
DC options	12VDC to 48VDC
AC options	120VAC to 220VAC