

SUNPODS SP-500
Solar Agriculture & Remote Site Power Systems™


SunPods SP-500 Solar Agriculture & Remote Site Power Systems are engineered for fast and simple installations over most land and concrete surfaces, eliminating much of the cost, scheduling and performance uncertainties associated with current traditional on-site built solar installation systems.

Built with SunPods' advanced Solar Smart Technologies™ and designed as a modular power platform, the SunPods SP-500 is pre-engineered pre-manufactured, and pre-tested in a rigorous factory setting to ensure optimal performance and delivered from our factory to your project, on your schedule, requiring minimal site preparation and no onsite assembly. SunPods are ready to interconnect and power up on delivery, requiring only an electrician to make the connections.

The SunPods SP-500 power platform is specifically engineered for grid connected or off-grid agriculture power on demand solutions for farms, ranches and wineries needed for product processing, center-pivot irrigation systems, water irrigation, water distribution, water processing and well water pumping. At off-the-grid remote sites, the SunPods SP-500 power system is a simple, cost effective solar power solution to replace fuel powered Genset power sources and weekly fuel cost.

BENEFITS

- Rapid installation, no on-site assembly
- Factory testing for quality assurance
- Complete solar solution, pre-manufactured and pre-tested
- Can be configured to run variety of equipment both DC and AC or both
- Can be sized for improved site sustainability
- Integrates easily with additional sources of power generation including: diesel, fuel cell, or wind generator sources
- Significant cost saving benefits
- Ideal for powering essential equipment in areas where conventional power is unreliable, unavailable, or unaffordable
- Simple turnkey solution with minimal maintenance required
- Rapid return on investment, low operating costs, low total cost of ownership
- Complete standardized stand-alone solar power supply

INSTANT SOLAR POWER. FOR WHATEVER YOU NEED. WHEREVER YOU NEED IT.



Municipal water agencies can utilize the SunPods SP-500 for pumping water at water towers, wastewater and water purification plants, reducing electrical cost and providing an emergency power back-up system.

Other SunPods SP-500 applications include remote site installations for farm and ranch water supplies, oil, gas, and telecommunications, satellite, micro-wave towers and commercial and residential buildings affected by unreliable grid power or remotely located from grid provided electrical power.

The SunPods SP-500 Solar Agriculture & Remote Site Power Systems are rapid deployment, integrated solar power platform solution, engineered for both grid-tied and off-grid project installations requiring 110V-480V, 50Hz/60Hz AC or 12/24/48VDC. The SunPods PV module support frame is adjustable to insure maximum solar energy output. SunPods scale from a single 2.4-kw SunPods power unit to mega-watt size power farms. SunPods are built on sturdy self-ballasted G-90 galvanized steel platforms, engineered to with-stand harsh environments

SP 500 Specifications

SP-500-XL	Length	Width	Weight
Size & Weight	22'-2"	9'-6"	1,930 lbs
PV Module Options	Number of Modules	Module Power	Total Power (DC)
SP-500-XL-220	12	220	2.64-KW
SP-500-XL-230	12	230	2.76-KW
SP-500-XL-235	12	235	2.82-KW
SP-500-XL-240	12	240	2.88-KW
SP-500-XL-250	12	250	3.00-KW
Frame	Material	Finish	Color
SP-500-XL	Cold Rolled Steel	G-90 Galvanized	Silver

*Power Output based on STC-DC.
 Pre-Engineered to NEC 2008 Standards
 Other frame and modules sizes are special order

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All SunPods Solar Smart Technology Systems™ are manufactured using only UL labeled and California Solar Initiative (CSI) certified components and SunPods meets the NEC 690-2008 requirements for wiring and grounding. System Warranties: Solar modules, manufacturer's standard 90% power output at 10-years and 80% power output at 25-years warranty, Inverter(s) manufacturer's standard 10-year warranty. SunPods power platform chassis limited 10-year material and workmanship warranty. *Weight of SunPod without batteries. **Module Factory Rated Power Output DC. PV Module solar angle is pre-set to customer specifications.

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