

# AGRIVOLTAICS

SOLAR MOUNTS FOR FARMS AND RANCHES



Whether you're growing crops, raising chickens or pigs, or grazing sheep, goats, cows, or bulls, our solar racking is suitable and strong enough for all types of agriculture settings. An engineering-driven design process accounts for the structure of the mount and the most severe environmental forces affecting the site. Every MT Solar mount is domestically manufactured using steel and aluminum components designed to be held atop steel poles, which amounts to a system that's essentially "cow-proof".



GROUND CLEARANCE FOR GRAZING



STEEL POLES FOR STRENGTH



ADJUSTABILITY FOR LARGE EQUIPMENT



CONFIGURE FOR SHADE AND SUN



## HIGH CLEARANCE AND DUAL USE

Top-of-pole mounts support solar arrays at heights that keep the ground beneath useable for agricultural purposes, including crop growing and grazing of large animals. Tractors, mowers, and other equipment will pose no issues when modules are far off the ground and out of the way, even if stray rocks are kicked up.

## SOIL PRESERVATION AND MINIMAL GROUND DISRUPTION

MT Solar mounts can be installed using piledriven poles or with a simple concrete and steel pole foundation that's no more disruptive than a large fence post. Even mounts with large arrays can be supported by just a few poles, meaning there are fewer points of contact to interfere with activities on the ground.

## EASY TO PLAN, INSTALL, AND MAINTAIN

The installation and assembly process is accessible, straightforward even in the most challenging and remote locations. Whether you choose pre-configured mounts or customize a design using our Autodesigner, our system lets you efficiently advance your project and prioritize your land's integrity and useability.

## VERSATILITY AND FLEXIBILITY

All MT Solar mounts include a manual tilt adjuster, which you can use to quickly change the position of the mount. In addition to setting your array at an optimal tilt for the season, this feature lets you flatten it to a full vertical, clearing the way for large equipment and simplifying the process of removing dust, pollen, snow, and other debris.



# SINGLE POLE & MULTI-POLE ARRAYS



Preparing to plant at Colorado State University's ARDEC South Research Farm.



Firebird Farms at University of the District of Columbia studies the Food-Water-Energy Nexus.



CSU finds solar and food production are mutually beneficial while lowering water demands.



Researchers at the USDA in Mandan, ND look to integrate photovoltaics while increasing livestock forage production.

## SPECS

Engineering	Drawing can be stamped by a PE for all 50 States
Array Configurations	2 – 20 modules on single pole, up to 50 modules on multi-pole (dependent on module size)
PV Module Sizes	Designs available for any size
Module Orientation	Landscape (standard)
Grounding	Components included
Foundation	Steel pole in concrete or driven pile
Tilt Angles	5° to 90° with seasonal tilt adjustment
Wind Loading	up to 180 mph
Snow Loading	up to 350 psf
Ground Clearance	up to 17 feet (dependent on site factors)