



MEGA P&C Solar Coatings

The MEGA P&C solar coatings product series cover single-layer high-transparency anti-reflective coatings, dust-proof anti-reflective coatings, after-market anti-reflective coatings, double-layer ultra-high-transparency anti-reflective coatings, and aesthetic colorless anti-reflective coatings. Our products can be applied to scenarios such as photovoltaic module front panels, thin-film batteries, perovskite modules, and existing power stations. With technical characteristics including high light transmittance, dust resistance, self-cleaning, weather resistance, ultraviolet resistance, and environmental friendliness, they can achieve functions such as power gain, cost reduction and efficiency improvement, and colorless aesthetics. The main products of MEGA P&C solar glass coatings are as follows:

Product Name	Product Features	Product Advantages
MEGA Single-layer High-transparency Anti-reflective Coating	Stable power increase by 3%	High light transmittance, 0.1%+ higher than conventional anti-reflective coatings, with a transmittance gain of up to 2.35%, making it the leading single-layer anti-reflective coating in terms of transmittance on the market. The coating liquid has excellent stability with a shelf life of more than 1 year. Meanwhile, we have developed an environmentally friendly neutral solution, which is more friendly to the environment and production. The film structure has high strength, with outstanding weather resistance and ultraviolet resistance.
MEGA Dust-proof Anti-reflective Coating	Stable power generation increase by 4%+	1%+ higher power generation than conventional anti-reflective coatings, and 4%+ higher than modules without anti-reflective coatings. Based on the unique core-shell structure technology, the dust-proof coating further optimizes the formula to minimize dust adhesion and reduce dust accumulation, while considering excellent dust-proof performance and anti-reflective function. Dust accumulation is easier to clean, thereby reducing the frequency of component cleaning, saving labor and consumable costs, and thus comprehensively improving the benefits of photovoltaic projects in dusty areas.

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MEGA After-market Anti-reflective Coating	Stable function increase by 3%	Rapid curing at room temperature, with a power generation gain of 3%+, and both dust-proof and super-hydrophilic self-cleaning functions, achieving cost reduction and efficiency improvement. Applicable to: 3%+ power gain for thin-film batteries and perovskite modules; anti-reflection for lightweight and flexible front panels; touch-up coating solutions for the existing power station market; excellent outdoor aging and laboratory accelerated aging performance, with many globally traceable application cases.
MEGA Double-layer Ultra-high-transparency Anti-reflective Coating	Stable power increase by 3.3%	Leading ultra-high light transmittance, 0.3%+ higher than conventional anti-reflective coatings, with a transmittance gain of up to 2.55%, making it the leading double-layer anti-reflective coating in terms of transmittance on the market. The coating liquid has excellent stability with a shelf life of more than 1 year. Meanwhile, we have developed an environmentally friendly neutral solution, which is more friendly to the environment and production. The film structure has high strength, with outstanding weather resistance and ultraviolet resistance.
MEGA Aesthetic Colorless Anti-reflective Coating	Balancing ultimate colorless aesthetics and power gain	Balancing power and ultimate colorless aesthetics, while maintaining colorlessness, the transmittance is 0.1%+ higher than conventional aesthetic coatings. The coating has low sensitivity to water vapor, and the coating surface hardly absorbs moisture under normal temperature and high humidity conditions. The coating liquid has excellent stability with a shelf life of more than 1 year. Meanwhile, we have developed an environmentally friendly neutral solution, which is more friendly to the environment and production. The film structure has high strength, with outstanding weather resistance and ultraviolet resistance.