

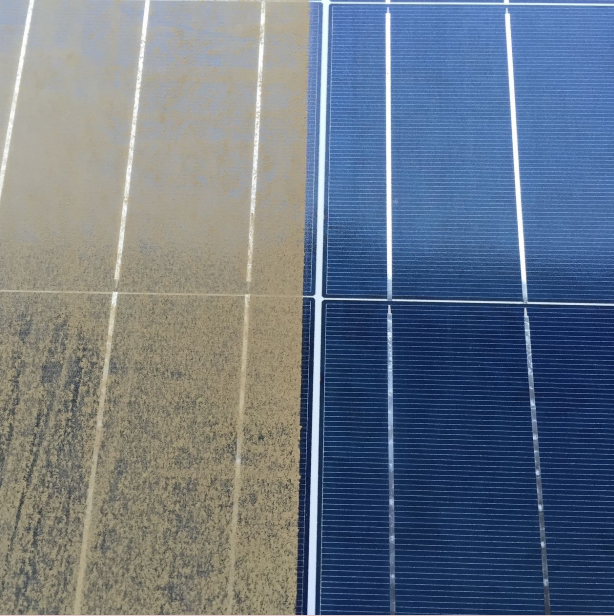


Anti-Reflective Shield

Embrace The Light. Reject The Dirt.

The world's leading anti-reflective, anti-soiling,
field-installable solar coating.

The logo for Pellucere Technologies features a stylized sun icon on the left, composed of a yellow starburst with a red and yellow curved line through it. To the right of the icon, the word "pellucere" is written in a lowercase, sans-serif font, and "TECHNOLOGIES" is written in a smaller, uppercase, sans-serif font below it.



Get to Know MoreSun[®]

MoreSun[®] is a patented solar coating and application system that adds an anti-reflective and anti-soiling silica shield to any solar array. **MoreSun[®]** helps the solar module capture more light, increasing energy output from direct axis light by 3.4–3.8% and total energy output by up to 4.7%[†]! Now formulated with **Talus Dirt Rejection Technology[™]**, **MoreSun's[®]** unique properties prevent the build-up of dirt, dust, and other particulates more effectively than any commercially available anti-soiling solution.

Economic Case

No other AR solution improves solar power output better than **MoreSun[®]**. Independent lab tests and extensive field testing have demonstrated that, compared to modules without AR coating, **MoreSun[®]** AR delivers up to 3.4 – 3.8% improvement in direct axis power and up to a 4.7%[†] improvement in total energy. Whether in the mid-day sun, in the shoulder hours, or on a cloudy day, nothing beats **MoreSun[®]** when it comes to capturing more sunlight and creating more energy.

Turn up your power even higher with **MoreSun's[®]** industry-leading **Talus Dirt Rejection Technology[™]**. No other product is as effective at preventing dirt, dust, and other particulates from sticking to glass. **MoreSun[®]** reduces soiling rates by as much as 90%, lowering your cleaning costs and further improving energy output. In most places, **MoreSun[®]** pays for itself in 36 to 48 months. **MoreSun[®]** has been torture-tested for durability, is fully recyclable and is backed by our "Payback Guaranteed" warranty. **MoreSun[®]** with **Talus DRT[™]** redefines AR solar coatings.

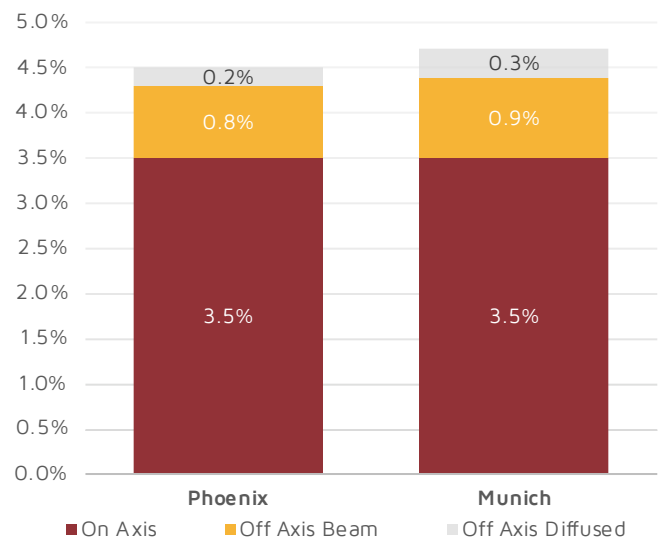
Get to Know MoreSun[®]

MoreSun[®] delivers the highest energy gains of any product on the market. In direct axis light **MoreSun[®]** outperforms leading competitors by more than 30%. In off-axis and diffused light, **MoreSun[®]** captures even more solar energy. And with **Talus DRT[™]** anti-soiling, the energy gains are even greater.

MoreSun[®] Field Trial Energy Gains

Location	Date	Power Gain
USA		
Central CA (Sharp)	Aug 2019	4.0% AC
Northern CA (FSLR)	July 2019	4.1% AC
North Carolina (Poly)	May 2019	3.8% AC
Germany		
Central (FSLR)	Apr 2018	4.1% AC
Southern (FSLR)	Nov 2017	4.0% AC
Eastern (Poly)	June 2019	3.7% AC
United Kingdom (FSLR)	Nov 2017	3.6% DC
Italy (Poly)	Sep 2018	3.8% DC

MoreSun[®] Total Energy Gain (PVSystem[™] Model)



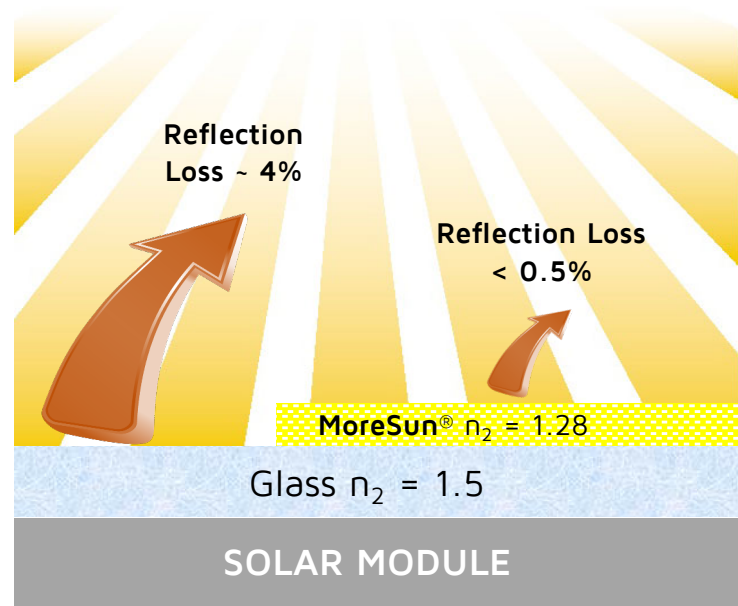
[†] Energy Gain estimates based on laboratory-certified energy gains applied to a specific solar farm using the PVSystem[™] model. Total energy gains may vary based on module type, location, weather, site configuration, and numerous other factors.

How It Works

MoreSun® forms a thin glass (silica) layer, creating a molecular bond with the existing module glass, and resulting in a unique surface structure that increases light collection and repels dirt. **MoreSun®** works by providing an incoming photon with a gradual transition from air to glass.

Field & Factory

MoreSun® is professionally applied using Pellucere® Technologies' patented, micro-channel deposition system. With a transfer efficiency of greater than 95%, our proprietary applicator systems practically eliminate waste while applying a uniform, precision 140nm silica layer. In the factory, **MoreSun's®** low-temperature curing enables application on assembled modules and thin-film technology. **MoreSun®** enables module OEMs to enhance their product with industry-leading AR properties as well as industry-leading anti-soiling capabilities.



Robustly Formulated

MoreSun® is engineered for strength and durability to survive even the harshest environmental conditions.

HIGHLY ACCELERATED STRESS TEST

	% AR Pre-Test	% AR Post-Test	% AR Change
MoreSun®	3.15	2.84	-0.31
Competitor AR (a)	2.67	1.68	-0.99

WET SCRUB TEST

	% AR Pre-Test	% AR Post-Test	% AR Change
MoreSun® - 2,000 Cycles	3.24	3.12	-0.12
Competitor AR(b) - 100 Cycles	2.50	2.20	-0.30

DAMP HEAT

	% AR Pre-Test	% AR Post-Test	% AR Change
MoreSun® - 2,000 Hours	3.04	3.04	0
Competitor AR(b) - 1,000 Hours	~2.5	~2.0	~0.5

HUMIDITY FREEZE-THAW TEST

	% AR Pre-Test	% AR Post-Test	% AR Change
MoreSun® - 100 Cycles	3.49	3.27	-0.22
Competitor AR(b) - 10 Cycles	2.50	2.00	-0.50

ULTRAVIOLET (UV) TEST

	% AR Pre-Test	% AR Post-Test	% AR Change
MoreSun® - 250 Hours	3.11	3.11	0
Competitor AR(b) - 250 Hours	2.50	2.50	0

SAND DROP TEST

	% Haze Pre-Test	% Haze Post-Test	% Haze Change
MoreSun®	0.65	0.90	0.25
Competitor AR(a)	0.70	2.20	1.50

SAND BLAST TEST

	% AR Pre-Test	% AR Post-Test	% AR Change
MoreSun® - 2,000 Hours	3.20	2.82	-0.37
Competitor AR	?	?	?

(a) Direct Lab Testing of leading AR competitor; (b) Published data from leading retrofit AR coating.

363 North Sam Houston Pkwy East Suite 1100
Houston Texas, 77060, USA
Tel: +1.833-780-8800
info@more-sun.com
more-sun.com



Embrace The Light. Reject The Dirt.

The MoreSun® Story

MoreSun® is part of a family of industry leading optical and anti-soiling coatings that are the result of more than a decade of development by researchers at Oregon State University enabled by grants from the National Science Foundation and VertueLab. **MoreSun®** now includes the company's proprietary **Talus Dirt Rejection Technology™**. **Talus DRT™** optimizes the physical properties of our silica shield's nano-structure to prevent buildup of dirt and other particulates. Unlike typical hydrophobic anti-soiling technologies, the unique properties of **Talus DRT™** allows it to "reject the dirt" without waiting for rain. **Talus DRT™** can also be found in other Pellucere® Technologies products designed for buildings and for automotive glass in the agriculture, mining, construction, and defense industries.



Pellucere® Technologies develops, tests, and produces a variety of optical shield technologies and their accompanying proprietary application systems that serve a wide range of energy and industrial needs. The Pellucere® Technologies family of brands include **MoreSun®**, and **Talus Dirt Rejection Technology™**. For more information please visit pellucere.com.