



St+

Redefining Solar Plant Design

As utility-scale photovoltaic systems continue pushing toward higher string voltages, DC over-voltage events are becoming more common, especially during cold weather conditions. The result can include inverter trips, delayed startup times, unnecessary system shutdowns, and avoidable production losses that directly impact plant performance and energy yield.

AWG, in collaboration with Chemik, is proud to introduce St+ to the U.S. solar market. St+ is designed to help EPCs, developers, and asset owners implement solutions that maximize reliability and long-term project value.

Installed directly at the module level within existing photovoltaic (PV) strings, St+ activates only when voltage exceeds a preset threshold. The system selectively bypasses modules to dynamically control string voltage and prevent over-voltage shutdowns without affecting normal operation.

With St+, your solar projects don't need DC system redesigns or inverter replacement.

The St+ is also compatible with existing PV infrastructure using both monocrystalline and polycrystalline modules.

St+ helps stabilize system performance, improve uptime, and protect longterm energy production in utility-scale solar plants.

www.buyawg.com

Empowering Your Projects With St+

Control Voltage. Maintain Uptime.

Retrofit Design

Eliminate DC over-voltage in existing PV utility-scale systems:

- Prevent inverter trips and production losses
- installed at module bypass only above voltage threshold
- No impact on normal operation

Easy integration:

- No inverter replacement
- No DC redesign
- No SCADA modifications
- Fully compatible with operating plants

New Installation Design

CAPEX savings: 5-6%

- Reduction in the number of trackers, strings, poles and string combiner boxes
- Tracker cost optimization - enables selection of the most efficient configuration
- Lower investment in civil works
- More efficient use of available space
- Optimized string design

Revenue benefits - Higher string voltage:

- Increased daily energy generation: extends the inverter's operating window at the end of the day
- Improves inverter performance during module degradation (typically after 15 years)



Empowering Your Full System

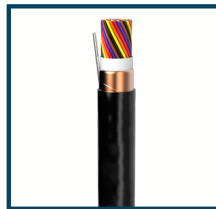
From voltage control to power delivery, AWG provides complete solar solutions from one reliable source.



SunGuard®
PV Wire



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Power
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Switchgear



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