



Ampt StringView®

High-accuracy synchronous data
from Ampt DC optimizers

- Compatible with 3rd party monitoring services
- String-level data via Modbus protocol
- Easy to integrate with other on-site devices
- Up to 10x lower cost than smart combiners

Benefits:

- Visibility – remotely track system output; identify and locate problems quickly
- Faster commissioning – access data to verify electrical connections and perform troubleshooting
- Synchronicity – view point-in-time measurements aligned across all optimizers to correlate data with events
- Accuracy – measure output to +/- 0.25% accuracy
- Compatibility – link seamlessly via Modbus to 3rd party SCADA gateways
- Maximum output – avoid hidden losses from soiling, degradation, loose connections and other issues
- Easy mapping – match data to your site layout

Features:

- Modbus-ready – provides data in SunSpec format
- Installation wizard – easily matches Ampt optimizers to their respective strings and defines number of data points
- Configurable – individual string data can be summarized at levels defined by the end user
- Commissioning tool – provides data to quickly troubleshoot electrical connections in the PV field

Results:

- Reduced O&M costs
- Faster system commissioning
- More precise and reliable measurement
- Greater predictability with lower risk
- More informed decisions

Ampt String Optimizers are used to lower the total cost of PV systems by eliminating half of the electrical balance of system components and enabling lower cost per watt inverters. String Optimizers also put dual MPP trackers on each string to improve the lifetime performance of PV systems. These benefits are realized without communications.

StringView® is an optional feature that provides string-level data for enhanced commissioning and O&M capabilities. String Optimizers transmit string output current and daily integrated energy data via two-way wireless communications to an Ampt communication unit (CU). The Ampt CU uses Modbus/TCP to pass records to your SCADA or data monitoring system – making the information available in the field, at your remote operations center, or through a third-party monitoring service.

