

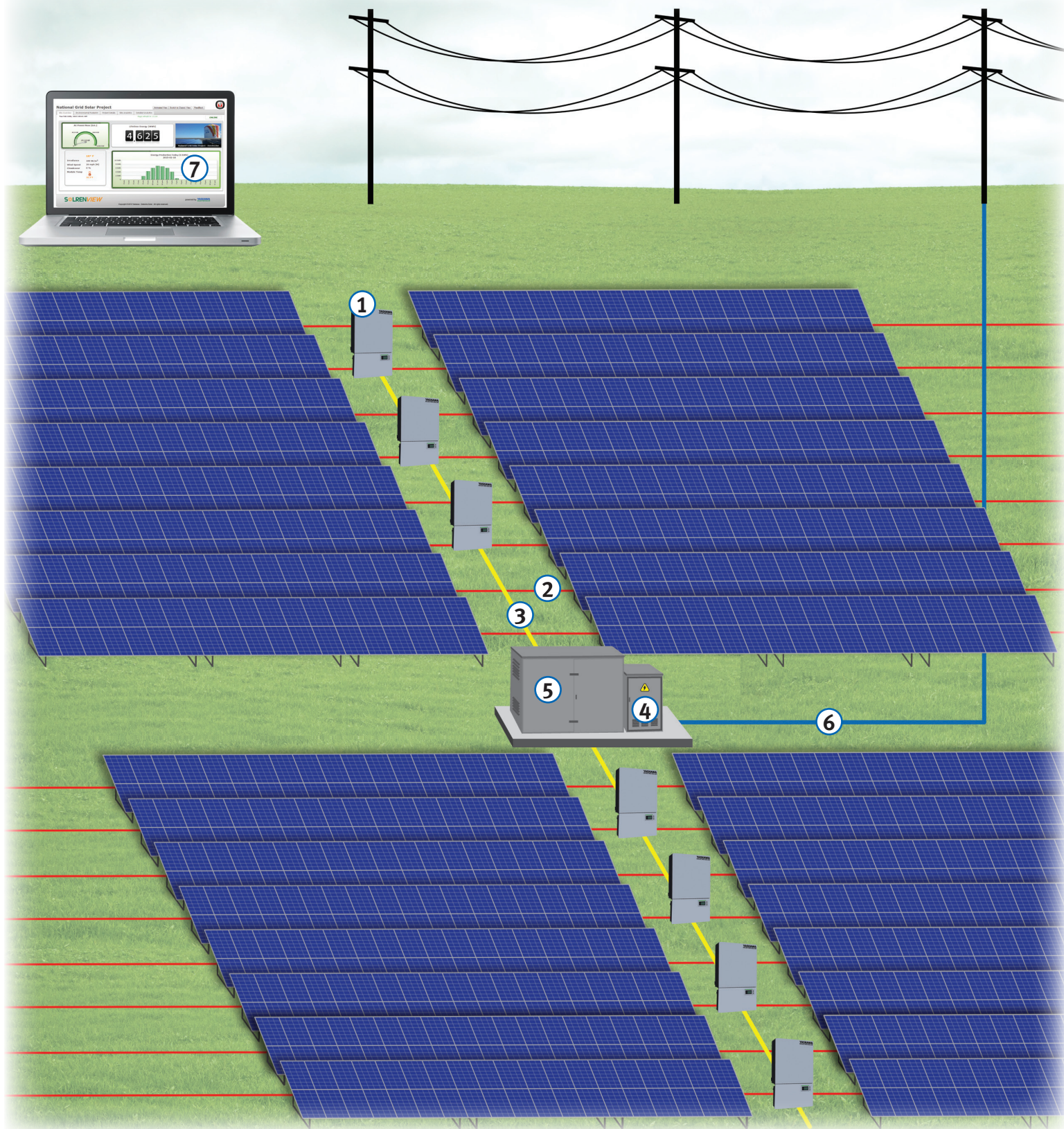
DECENTRALIZED MW SOLUTION



SIMPLIFYING SOLAR

DECENTRALIZED MW SOLUTION

Solectria - Your One-Stop
Solar Solution Provider



COMPONENTS

1 INVERTERS*

The PVI 23/28/36/50/60TL are three-phase, transformerless, 1000VDC string inverters with an integrated fused string combiner. The combiner eliminates the need for external combiners that are required by competitors. They are NEC 2014 (arc-fault & rapid shutdown), HECO, and Rule 21 compliant. These inverters integrate seamlessly with AC Panel/Switchboards.

2 STRING WIRING

Each PV module is connected in series (string) and each string is connected directly to the inverter. Each string inverter accepts up to 15 strings. Wye-connectors may be used for additional flexibility. Please visit www.solectria.com for the string sizing tool.

AC WIRING

3 AC wiring connects the output of each inverter directly to an AC Panel/Switchboard.

AC PANEL/SWITCHBOARD*

4 An AC Panel/Switchboard combines each inverter into a common AC bus. All AC Panel/Switchboards include individual branch/feeder breakers to protect individual inverters.

5 TRANSFORMER*

The transformer steps up the 480VAC output of the inverter to medium voltage. The transformer can be closely coupled with the Switchboard, reducing footprint and wiring costs.

6 MEDIUM VOLTAGE WIRING

Medium Voltage (MV) wiring connects the transformer to the grid.

7 MONITORING*

SolrenView™ is a web-based monitoring platform that provides real-time detailed data of a site's performance. Each SolrenView device can support up to 32 inverters. Multiple SolrenView devices may be integrated on a single site. Monitoring may also be provided by a third-party supplier.

*Yaskawa - Solectria Solar offers these components as your one-stop solar solution provider

COST BENEFITS

