DECENTRALIZED MW SOLUTION

SIMPLIFYING SOLAR

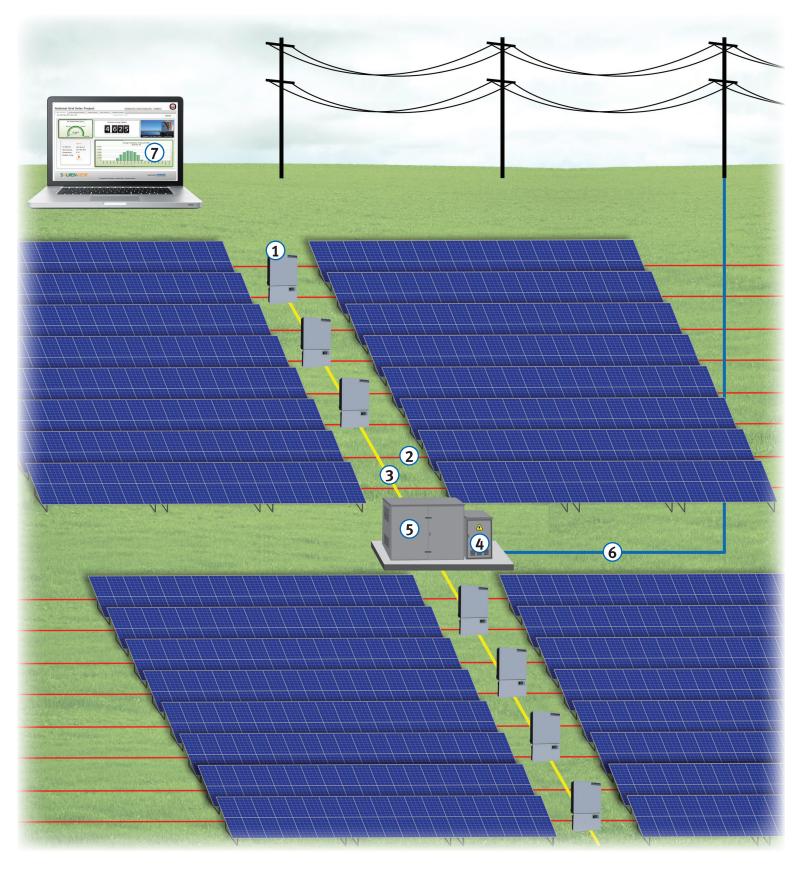






DECENTRALIZED **MW SOLUTION**

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. Wyeconnectors may be used for additional flexibility. Please visit www.solectria.com for the string sizing tool.

(3) AC WIRING

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

4) AC PANEL/SWITCHBOARD*

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

	STRING COST	CENTRAL COST	
AC WIRE	\$ \$ \$	\$	
DC WIRE	\$ \$ \$ \$ \$	\$\$\$\$\$\$\$\$\$\$\$\$\$	\$\$\$
COMBINER BOX		\$\$\$\$\$\$\$	
AC BREAKER	\$\$\$\$\$\$\$\$\$\$\$	\$ \$ \$ \$	
DC BREAKER / PV FUSE		\$\$\$\$\$\$\$\$	

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