

DECENTRALIZED MW SOLUTION

SIMPLIFYING SOLAR



**YOUR ONE-STOP
SOLAR SOLUTION PROVIDER**

YASKAWA
SOLECTRIA SOLAR

Your One-Stop
Solar Solution Provider

- 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.
- 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.

COST BENEFITS

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

