

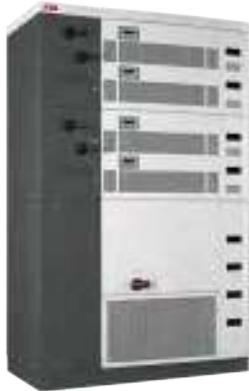
ABB central inverters

PVI-55.0/110.0 - PVI-165.0/220.0 - PVI-275.0/330.0

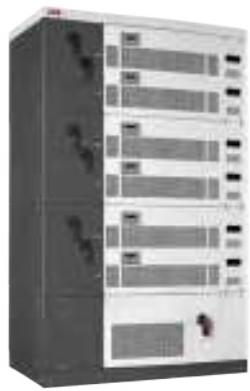
55 to 330 kW



01



02



03

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01
PVI-55.0/110.0

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PVI-165.0/220.0

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PVI-275.0/330.0

The product is available with and without a transformer. The industry-leading power conversion efficiencies of up to 98% (-TL), combined with high-speed Maximum Power Point Tracking (MPPT) channels, optimize energy harvesting across a wide array of operating conditions.

These commercial inverters provide maximum DC input voltage up to 1000 Vdc, high design flexibility and reduced DC distribution losses for large scale PV plants.

Delivered pre-configured and pretested which reduces on-site wiring and testing

The inverter systems are delivered pre-configured and pre-tested, which significantly reduces on-site wiring and testing. In the case of an ungrounded application, the unit can be configured as a single or multiple MPPT (with the exception of the PVI-55.0/-TL).

These inverters provide easy installation and maintenance procedures due to the front extractable DC/AC converters and accessibility to all critical parts.

ABB's central inverters are extremely scalable, modular-inverter systems that are based on 55 kW modular blocks. This increases usable power and improves availability. The reduction of performance in any individual module will not impact the energy harvesting capabilities of the other modules.

Highlights

- Reduced susceptibility to a single fault in case of a component failure, a maximum of 55 kW will be lost
- Reduced acoustic noise due to the high switching frequency
- Reverse-polarity protection minimizes potential damage caused by array miswiring
- Integrated DC and AC distribution and protection fully equipped for connection, additional accessories not required

