



FIMER

Commercial Solar Systems

Powering Business
with Clean Energy

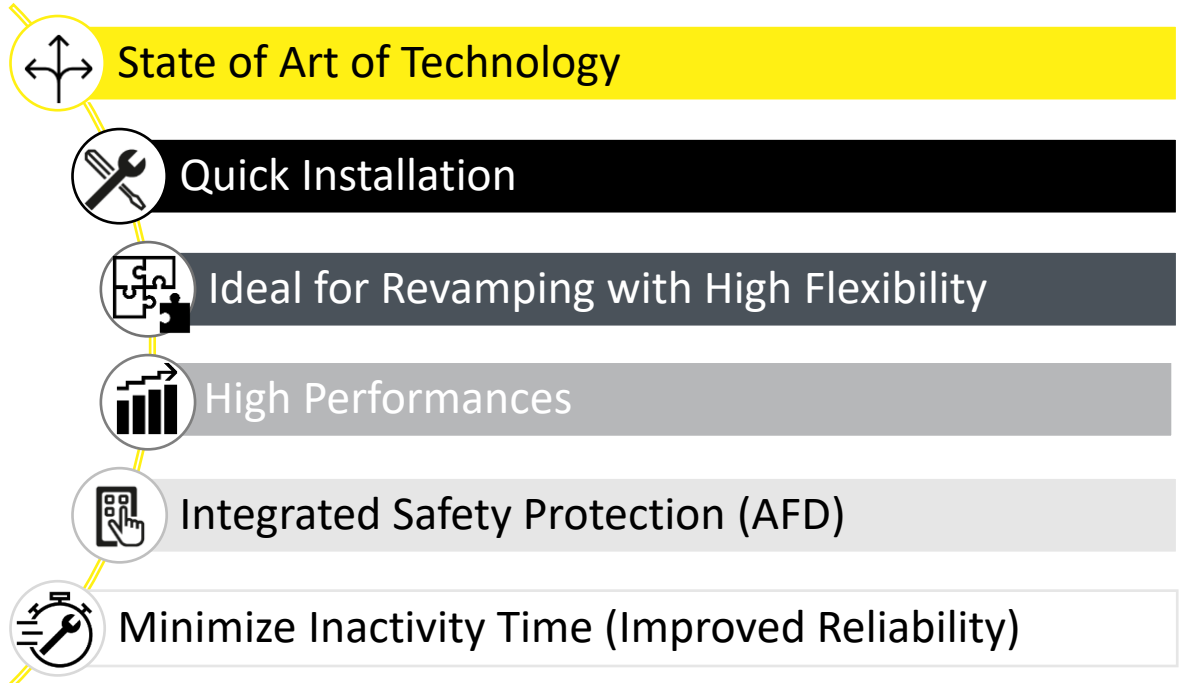


PVM 75/155-TL-US

High Power & Innovation for C&I

High performance FIMER Solution for C&I Applications

PVM-75/155 Inverter Family



Designed for C&I

The three-phase PVM-75/155-TL inverter, with compact design, optimized weight and volume, has been designed to meet the requirements of any Commercial & Industrial photovoltaic project.



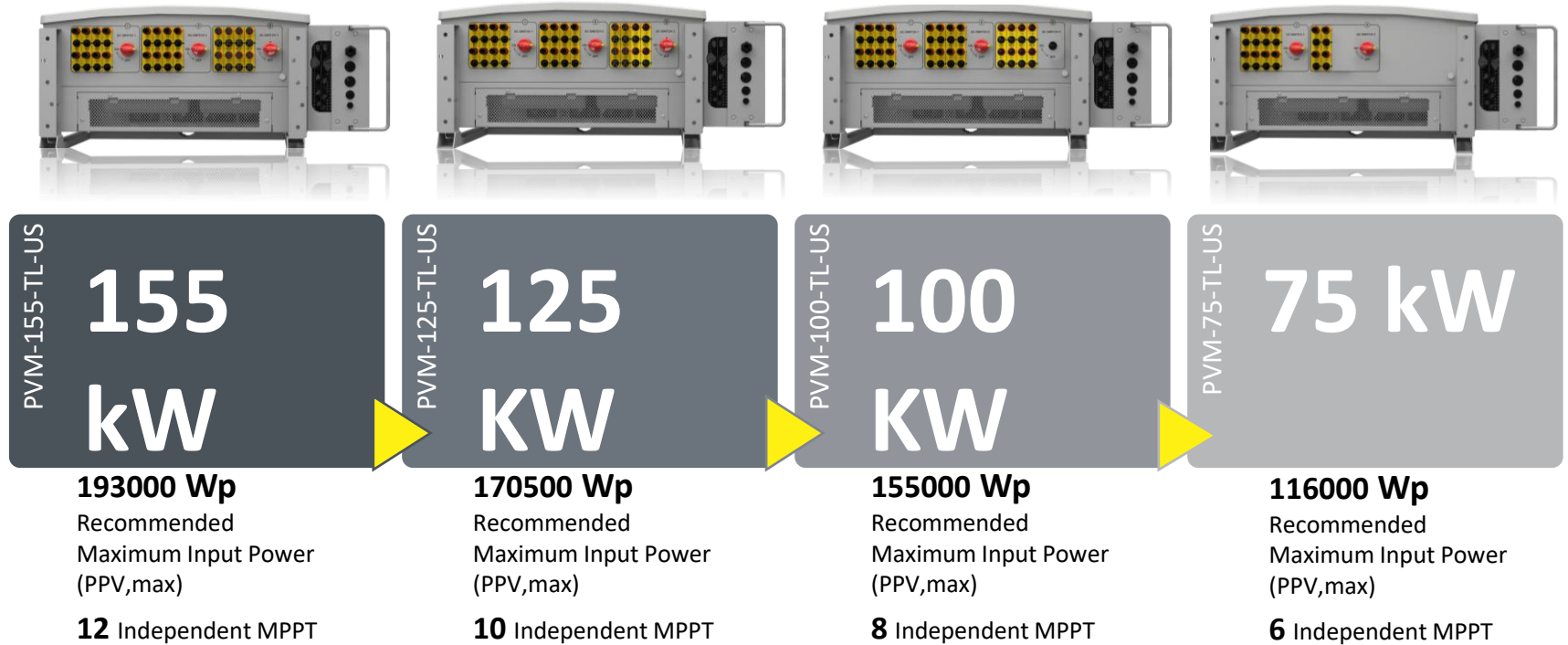
210 lbs



f³



4 Power Sizes



PVM-75/125-TL



LED Strip

Key information at glance

Powder Coating

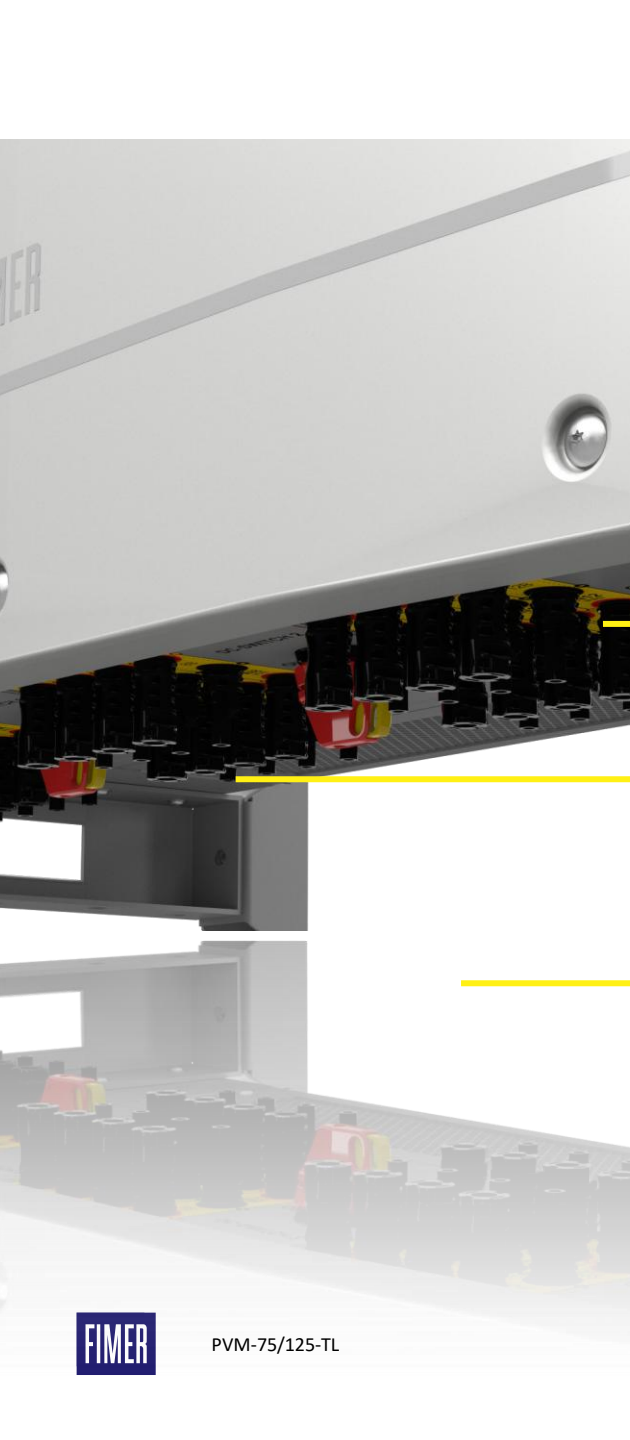
More grip, less fingerprint

Monolithic Solution

Light, robust and beautiful

Plug & Play

Less screws, more reliability



Maximum Configuration Flexibility

Up to 12 MPPTs @32A

Parallelable channels

Custom configurations: 1, 2, 3, 4, 6 e 12 MPPTs

High PV Panel Compatibility

Compatible with all panel technologies available on the market

High Performances

More energy, higher efficiency

- Up to 150% DC/AC oversizing
- Optimized production even under non-ideal conditions
- Higher return on investment (ROI)

150%
DC/AC

Safety & Reliability

Integrated security, NO extra cost



**Integrated
Arc Fault
Detection
(AFD)**



**Fuseless
design**



**Higher
reliability and
reduction of
parts subject
to failure**





Ideal for revamping

Grounding kit

(Optional, for IT System)



PV Strings

2 PV strings for each channel
(24 PV input strings)

PVM-155-TL-US

DC Connection



PVM-125-TL-US

DC Connection



PVM-100-TL-US

DC Connection



PVM-75-TL-US

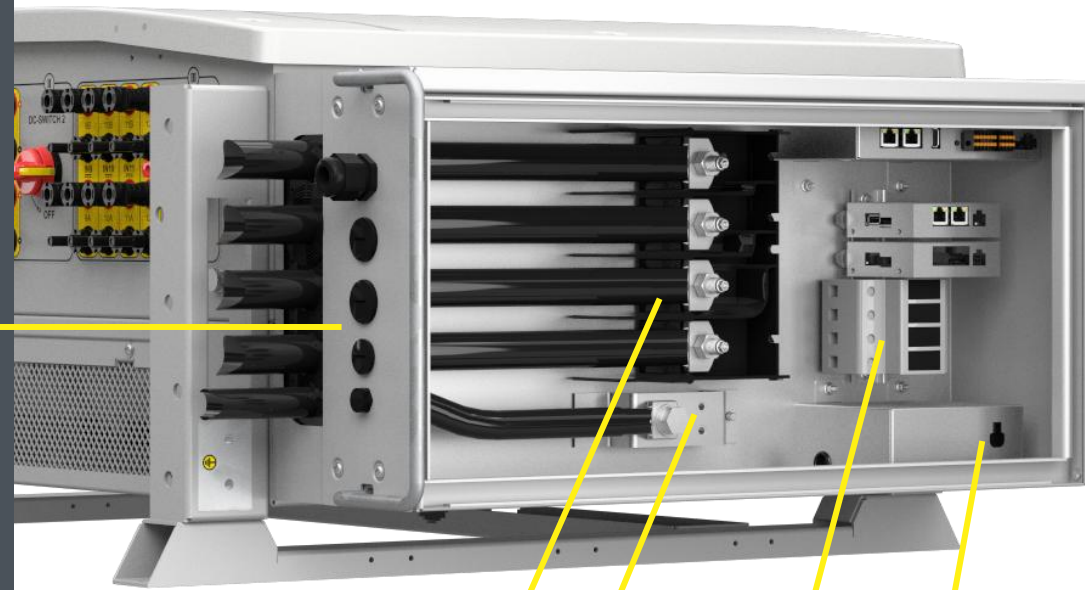
DC Connection



AC Connection

AC Wiring Box

- 3W+PE or 3W+N+PE
- Up to 500 MCM
- Copper & Aluminum



Terminal Block

Internal PE

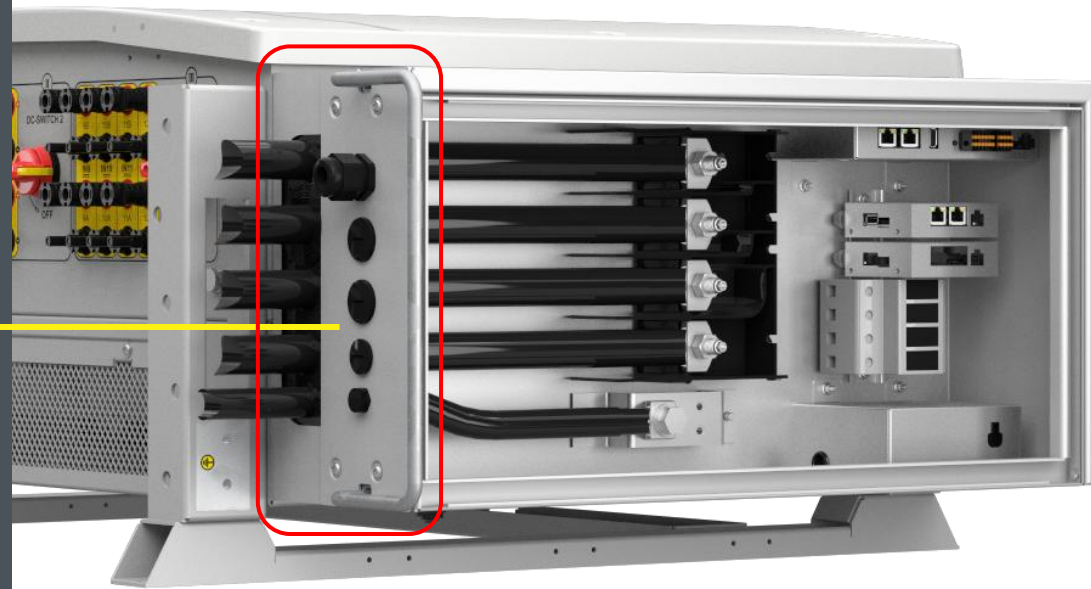
Type I+II SPD
(Optional)

Type II SPD

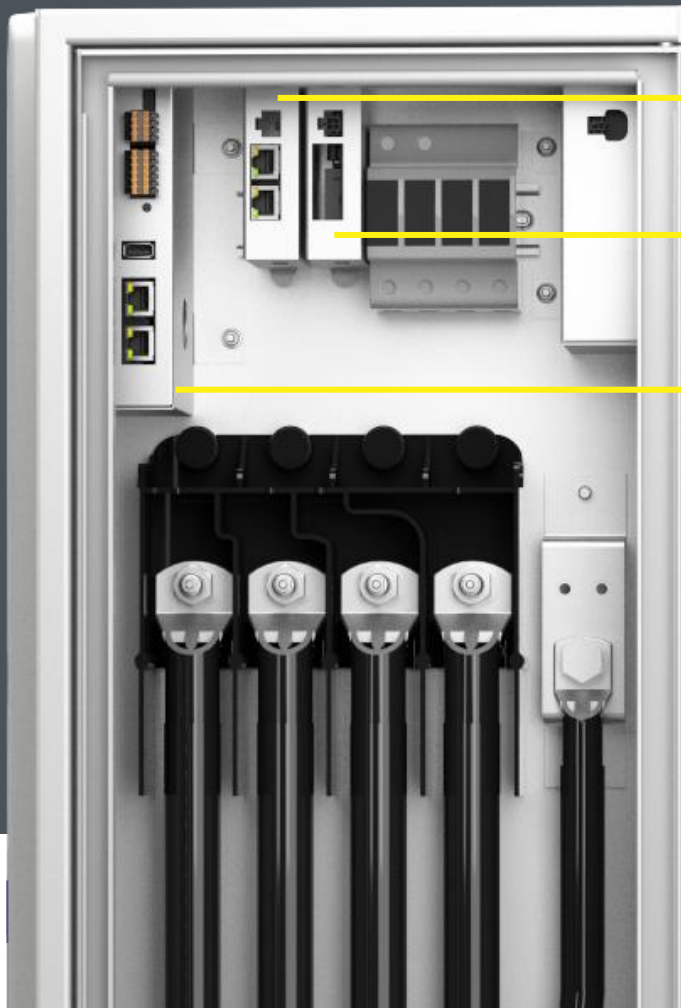
AC Connection

AC Wiring Box

- Silicon Cable Lock for single and multi core
- Communication Panel Signal
- Optional mounting handle



AC Wiring Box



USB to ETHERNET

(Optional, for AC Coupled Storage Management)

Grounding Kit

(Optional, for IT system)

Connectivity Board

2 x Ethernet ports

WLAN

RS-485

Maximum control

Monitoring

Local & remote monitoring

Data Access

Real time

Control

Operational control and implementation
of distributed logic without external
accessories

(ONLY METER at PcO)



Advanced Diagnostics

**Real time I-V
Curve**



**Immediate identification of
anomalies**



**Minimizing plant
downtime**



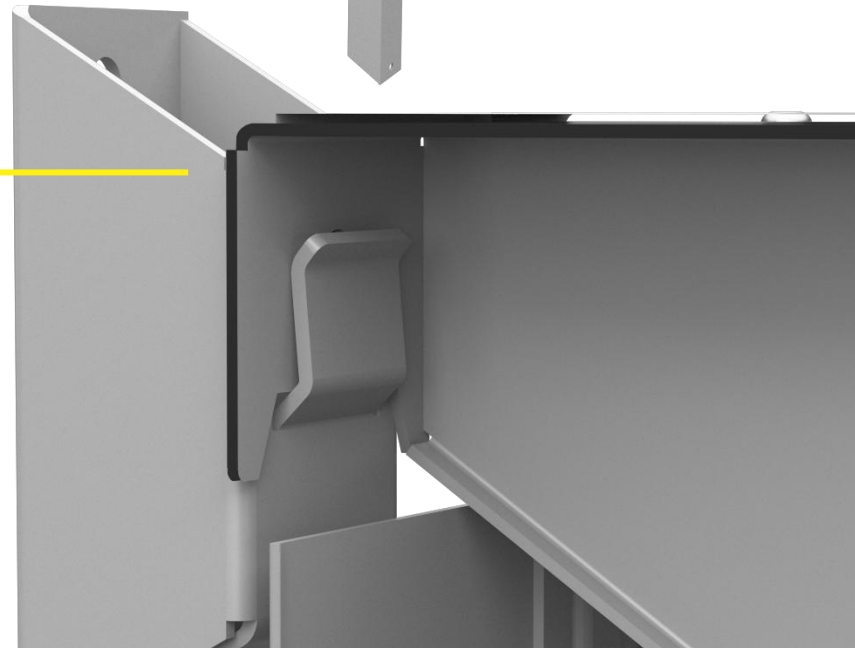
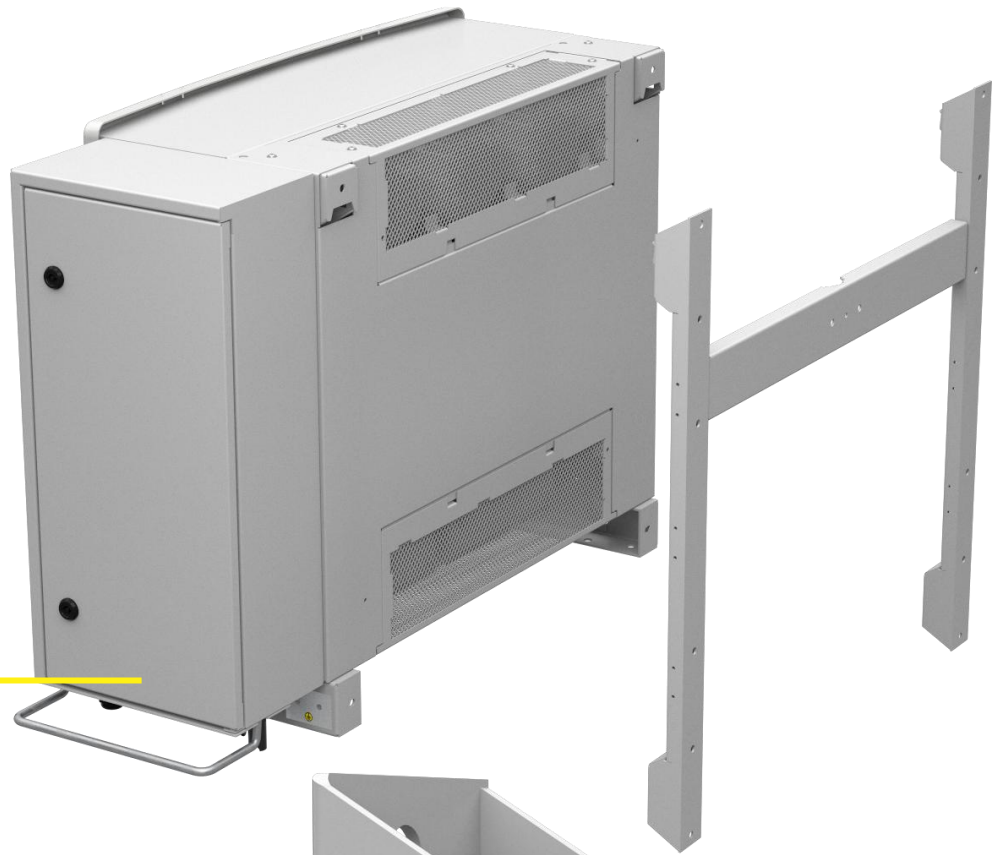
Installation

Compact Design

Optimized weight & volume

Quick Installation

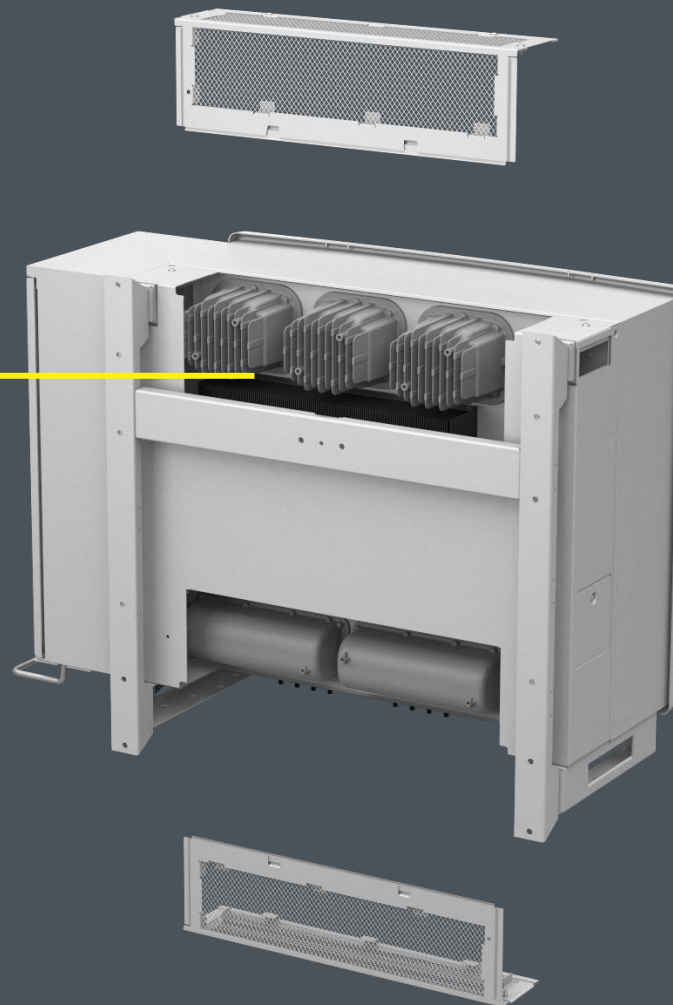
Reduced installation time



Serviceability

Easy Access

- Removable mechanical protections for fan & heatsink cleaning

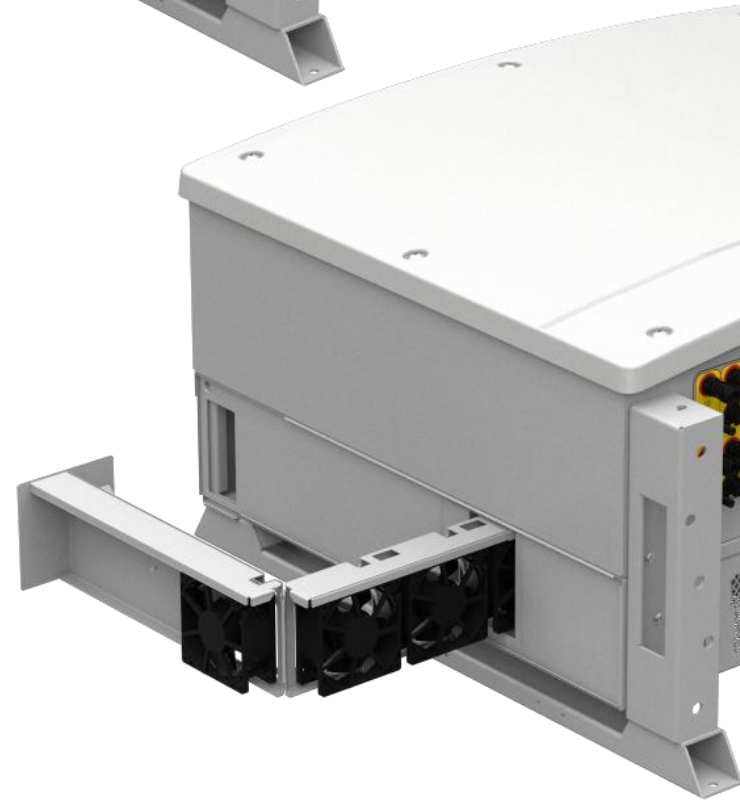


PVM-75/125-TL

Serviceability

Easy Access

- Removable fan tray
- Joint to minimize fan tray extraction spaces



PVM-75/155-TL-US: Key Features

One size for all

from 75 kW to 155 kW

-40%

Installation time



No tools for commissioning.

X2 faster

High switching frequency



Commissioning & live monitoring



210 lbs

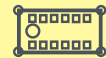
High power density

patent

Built-in Arc Fault Detection (AFD)



Built-in
Ethernet & WiFi



Multi-level inverter topology



Minimizing

plant downtime

+55%

CPU performances



Real time **I-V Curve**



Real Time Logging



Single Input DC Option



100%

New string configurator: PowerPHAST

- PV String configurator
- BESS (Battery energy Storage System) Sizing

Lab

Settings

PV Module

PV Production

MPPT Production

Storage System

Battery 1

215kWh

Battery 2

...



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English

Aurora Vision® version 3.20

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PVM-75/155-TL-US: The winning choice for C&I

- Power & Flexibility
- Safety & Control
- Simplicity and reliability
- FIMER technology, designed for the future of C&I

PVM-75/125-TL

