

|                                         |                                                                                                                                                                                |                                                |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| <b>Product Certificate Number</b>       | <b>4791899664-2-CER</b>                                                                                                                                                        |                                                |
| <b>Applicant</b>                        | MA Solar Italy S.r.l.<br>Vimercate (MB), 20871, Via Torri Bianche No. 9, Italy                                                                                                 |                                                |
| <b>Series</b>                           | PVS                                                                                                                                                                            |                                                |
| <b>Models</b>                           | PVS-10-TL-SX<br>PVS-10-TL-SY<br>PVS-12.5-TL-SX                                                                                                                                 | PVS-12.5-TL-SY<br>PVS-15-TL-SX<br>PVS-15-TL-SY |
| <b>Type of generating unit</b>          | Three-Phase Solar Inverter                                                                                                                                                     |                                                |
| <b>Technical Data</b>                   | See page 2                                                                                                                                                                     |                                                |
| <b>Software version</b>                 | 2121A, 2124D, 2148C, 2149C and 2403C                                                                                                                                           |                                                |
| <b>Network connection code/Standard</b> | <b>AMBIENTE E AÇÃO CLIMÁTICA Portaria nº73/2020 de 16 de março.</b><br>Requisitos não exaustivos para ligação dos módulos geradores à Rede Elétrica de Serviço Público (RESP). |                                                |

Having assessed the report number: 21100-2-TR performed by UL Solutions (Accredited Laboratory N° 5314.01) based on the requirements of the EN ISO/IEC 17025: 2017.

The above-mentioned generating unit complies with the requirements of the:

**AMBIENTE E AÇÃO CLIMÁTICA Portaria nº73/2020 de 16 de março.** Requisitos não exaustivos para ligação dos módulos geradores à Rede Elétrica de Serviço Público (RESP).

This certification is according to the CERE internal process PET-CERE-09 Rev 40 that defines the certification scheme, based on the requirements of the EN ISO/IEC 17065:2012. For this certification process the conformity assessment activities were based on:

- Testing of production samples selected by UL Solutions.
- Audit of quality system according to ISO 9001 with certificate number: C2021-02571-T issued by a certification body accredited according to EN ISO/IEC 17021.
- Inspection of the manufacturing process.

This certificate cancels and supersedes the previous version of the certificate: 21100-2-CER issued on 23/11/2021.

Madrid, October 09, 2025. This certificate is valid until November 23, 2026

Miguel Martínez Lavín  
Principal Engineer for GCC



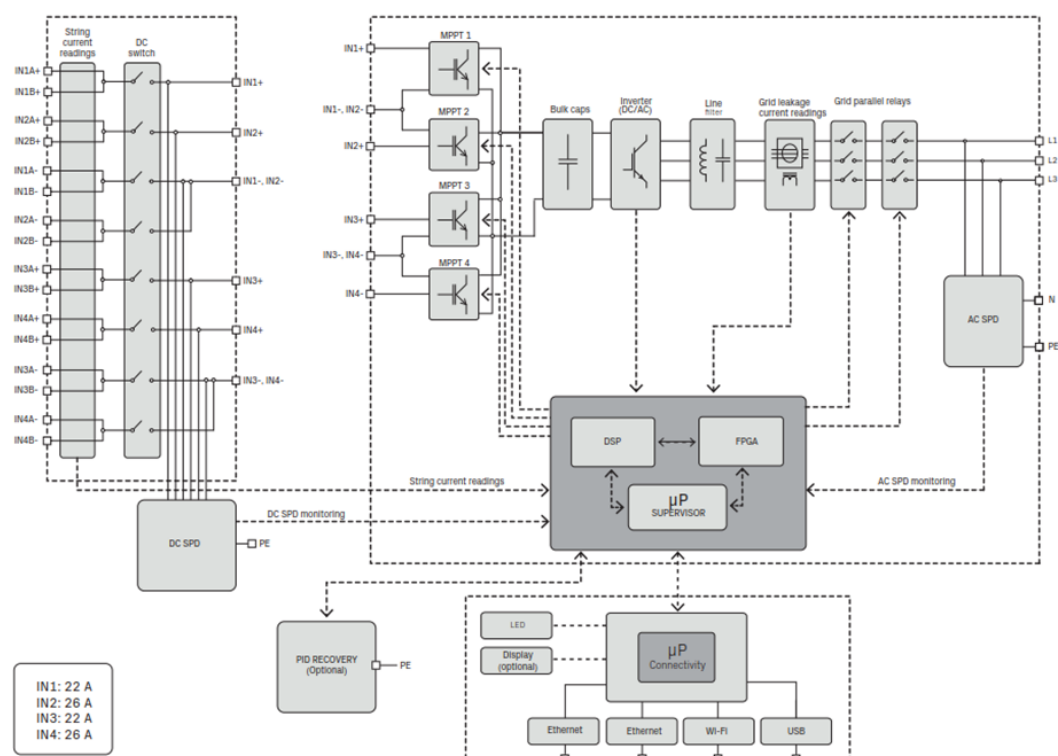
## Technical data

| Model                               | PVS-10-TL-SX<br>PVS-10-TL-SY          | PVS-12.5-TL-SX<br>PVS-12.5-TL-SY | PVS-15-TL-SX<br>PVS-15-TL-SY |
|-------------------------------------|---------------------------------------|----------------------------------|------------------------------|
| Input side (DC side)                |                                       |                                  |                              |
| Absolute maximum voltage            | 1100 V                                |                                  |                              |
| Start-up voltage                    | 250...500V (default 360V)             |                                  |                              |
| Operating voltage range             | 200-1000 V                            |                                  |                              |
| Rated input                         | 620V                                  |                                  |                              |
| Rated power                         | 10200 W                               | 12760 W                          | 15300 W                      |
| No. Of independent MPPT             | 2                                     |                                  |                              |
| Maximum power for each MPPT         | 14500 Wp                              | 18125 Wp                         | 21750 Wp                     |
| Maximum current for each MPPT       | 2x17A                                 | 2x18A                            | 2x22A                        |
| Maximum short circuit current       | 30 A                                  |                                  |                              |
| Output side (AC side)               |                                       |                                  |                              |
| Connection type                     | Three phase 3W+PE or 4W+PE            |                                  |                              |
| Rated power                         | 10000 W                               | 12500 W                          | 15000 W                      |
| Maximum output power                | 10000 W                               | 12500 W                          | 15000 W                      |
| Maximum apparent power              | 10000 VA                              | 12500 VA                         | 15000 VA                     |
| Rated voltage                       | 380V/ 400V                            |                                  |                              |
| Maximum current for each MPPT       | 16 A                                  | 20 A                             | 23 A                         |
| Rated frequency                     | 50 Hz / 60 Hz                         |                                  |                              |
| Environmental                       |                                       |                                  |                              |
| Operating ambient temperature range | -25 to +60°C with derating above 45°C |                                  |                              |
| Relative humidity                   | 4% - 100% condensing                  |                                  |                              |
| Environmental protection rating     | IP 65                                 |                                  |                              |
| Cooling                             | Natural cooling                       |                                  |                              |
| Dimension (H x W x D)               | 565,7 x 469,8 x 207 mm                |                                  |                              |

### Note:

- SX/SXD models: 8 inputs with PV quick fit connectors + SPD Type 2 on the DC and AC side.
- SY models: 8 inputs with PV quick fit connectors + SPD Type 1+2 on the DC side and Type 2 on the AC side.
- SI model: 8 inputs with PV quick fit connectors + SPD Type 2 on the DC and AC side for IT system.

Electrical Diagram of PVS series:



The sample selected to test was representative of the production. The sample was selected in:

FIMER S.p.A.  
Via San Giorgio 642  
52028, Terranuova Bracciolini, Italy

Sample Report Number:

21100-TM

The inspection of manufacturing process was performed in:  
On July 08, 2021

FIMER S.p.A.  
Via San Giorgio 642  
52028, Terranuova Bracciolini, Italy

Inspection Report Number:

20948-21-1-IF

## RECORD OF CHANGES

| Revision | Reason of the modification                                | Modification | Date       |
|----------|-----------------------------------------------------------|--------------|------------|
| 0        | Initial version (Update 21100-2-CER for new company data) | --           | 09/10/2025 |