

Certificate of Conformity

Product Certificate Number	21054-2-CER-E2	
Applicant	FIMER S.p.A. Via Tortona 25, 20144, Milano, Italy	
Series	PVS	
Models/	PVS-20-TL-SX PVS-20-TL-SY PVS-20-TL-SXD PVS-30-TL-SX	PVS-30-TL-SY PVS-33-TL-SX PVS-33-TL-SY PVS-33-TL-SI
Type of generating unit	Three-Phase Solar Inverter	
Technical Data	See page 2.	
Software version	2121A 2124B	
Network connection code	COMMISSION REGULATION (EU) 2016/631 of 14 April 2016 establishing a network code on requirements for grid connection of generators. Types A and B.	

Having assessed the report number: 21054-TR performed by CERE (Accredited Laboratory Nº 5314.01) based on the requirements of the EN ISO/IEC 17025: 2017.

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

COMMISSION REGULATION (EU) 2016/631 of 14 April 2016 establishing a network code on requirements for grid connection of generators. Types A and B. (Parameters are defined into: DRE.WOSE.7128.550.2.2018.ZJ: 01/2019. and Warunki i procedury wykorzystania certyfikatów w procesie przyłączenia modułów wytwarzania energii do sieci elektroenergetycznych. Version 1.2. PTPIREE. 28.04.2021)

This certification is according the CERE internal process PET-CERE-30 Rev 1, 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 CERE.
- Audit of quality system according ISO 9001 with certificate number: C2021-02571-T issued by a certification body accredited according EN ISO/IEC 17021.
- Inspection of the manufacturing process.

This certificate cancels and supersedes the certificate number 21054-2-CER-E1 issued on November 15, 2021

Madrid, December 01, 2021. This certificate is valid until October 4, 2026

Miguel Martínez Lavin
Certification Manager

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Technical data

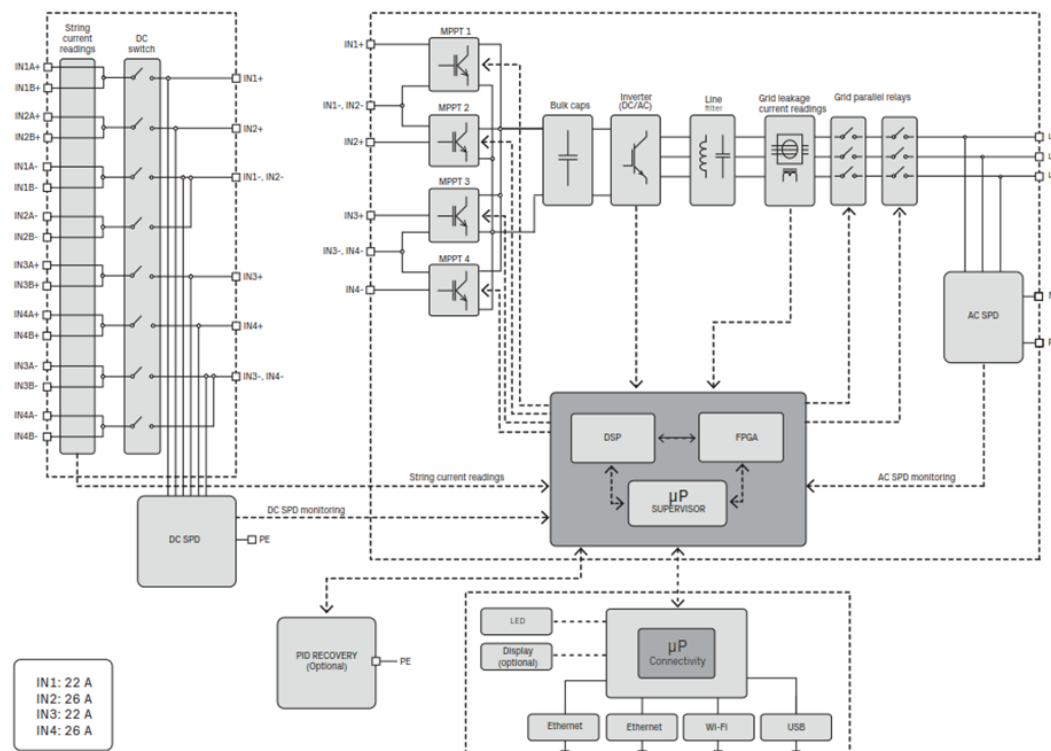
Model	PVS-20-TL-SX/ PVS-20-TL-SY	PVS-20-TL- SXD	PVS-30-TL-SX/ PVS-30-TL-SY	PVS-33-TL-SX/ PVS-33-TL-SY/ PVS-33-TL-SI
Input side (DC side)				
Absolute maximum voltage	1100 V			
Start-up voltage	250...500V (default 430V)			
Operating voltage range	200-1000 V			
Rated input	620V			
Rated power	20500 W	20500 W	30600 W	33700 W
No. Of independent MPPT	2	4		
Maximum power for each MPPT	2x12000W	2x12000W + 2x10000W		
Maximum current for each MPPT	2x26A	2x26A,2x22A		
Maximum short circuit current	40 A			
Output side (AC side)				
Connection type	Three phase 3W+PE or 4W+PE			
Rated power	20000 W	20000 W	30000 W	33000 W
Maximum output power	22000 W up to 30°C	22000 W up to 30°C	33000 W up to 30°C	36300 W up to 30°C
Maximum apparent power	22000 VA up to 30°C	22000 VA up to 30°C	33000 VA up to 30°C	36300 VA up to 30°C
Maximum reactive power	20000 VAR	20000 VAR	30000 VAR	33000 VAR
Rated voltage	380V/ 400V			
Maximum current for each MPPT	33,4 A	33,4 A	50,1 A	55,1 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	Forced air			
Dimension (H x W x D)	675 (799,2 with connection boxes) x 591,8 x 227,5 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.

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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:

21054-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	Modification / Changes	Date
0	Initial version	04/10/2021
1	Inclusion of new software and new format	15/11/2021
2	Editorial changes	01/12/2021