Product Certificate Number	**20948-CER**
Applicant	FIMER S.p.A. Via Tortona 25, CP:20144, Milano (MI), Italy
Series	PVS
Models/	PVS-100-TL PVS-120-TL
Type of generating unit	Three-Phase Solar Inverter
Technical Data	See pages 2 and 3.
Software version	2116B
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. Poland deviations.

Having assessed the report number: 20948-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. Poland deviations according to:
PREZES. URZĘDU REGULACJI ENERGETYKI. DRE.WOSE.7128.550.2.2018.ZJ: 01/2019.

This certification is according the CERE internal process PET-CERE-09 Rev 30 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.

Madrid, July 21, 2021. This certificate is valid until July 21, 2024

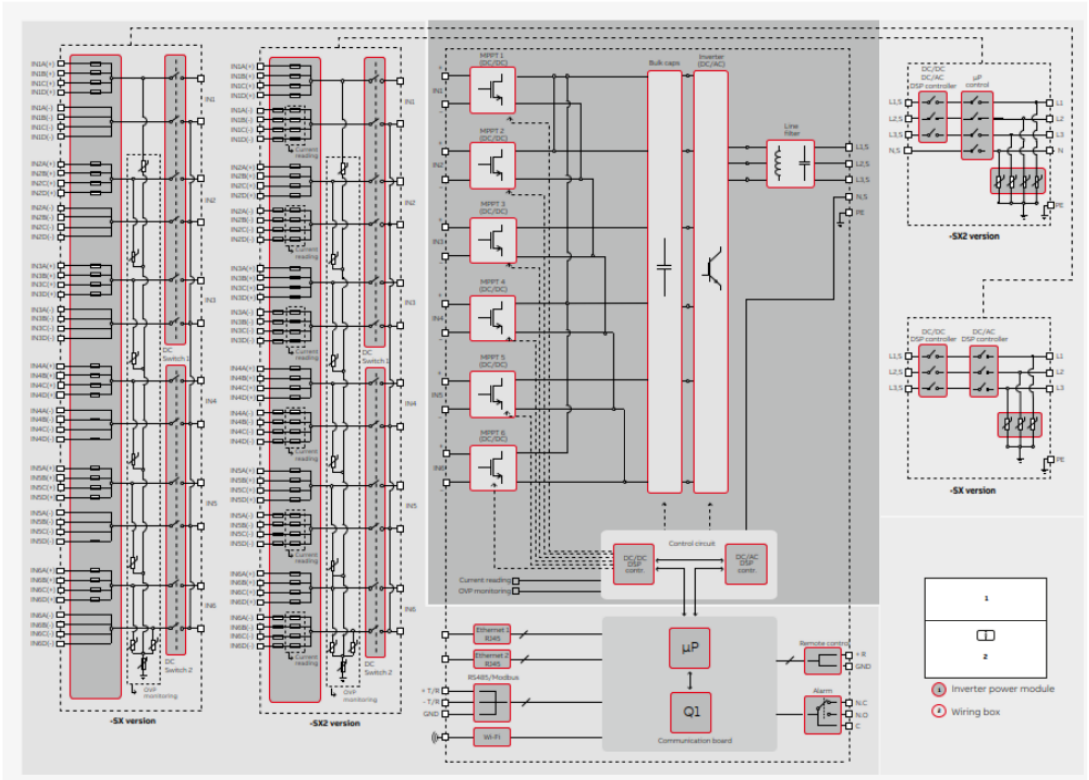
Miguel Martínez Lavin
Certification Manager

Technical data

PVS-100-TL						
Wiring Box version	**SX**	**SX2**	**SY**	**SY2**	**Standard**	**S2**
Input side (DC side)						
Absolute maximum voltage	1000V					
Start-up voltage	420V (400-500V)					
Operating voltage range	360-1000 V					
Rated input	620V					
Rated power	102000 W					
No. Of independent MPPT	6	6	6	6	2 (Parallelable)	
Maximum power for each MPPT	21000W	21000 W	21000 W	21000 W	63000 W	63000 W
Maximum current for each MPPT	36 A	36 A	36 A	36 A	108 A	108 A
Maximum short circuit current	50 A	50 A	50 A	50 A	150 A	150 A
Output side (AC side)						
Connection type	Three phase 3W+PE or 4W+PE					
Rated power	100000 W					
Maximum apparent power	100000 VA					
Rated voltage	400 V					
Voltage range	320 - 480 V					
Maximum current for each MPPT	145 A					
Rated frequency	50 Hz/ 60 Hz					
Environmental						
Operating ambient temperature range	-25 to +60°C with derating above 40°C					
Relative humidity	4% - 100% condensing					
Environmental protection rating	IP 66 (IP54 for cooling section)					
Cooling	Forced air					
Dimension (H x W x D)	869x1086x419 mm / 34.2” x 42.7” x 16.5”					

PVS-120-TL						
Wiring Box version	**SX**	**SX2**	**SY**	**SY2**	**Standard**	**S2**
Input side (DC side)						
Absolute maximum voltage	1000 V					
Start-up voltage	420V (400-500V)					
Operating voltage range	360-1000 V					
Rated input	720V					
Rated power	123000 W					
No. Of independent MPPT	6	6	6	6	2 (Parallelable)	
Maximum power for each MPPT	25000 W	25000 W	25000 W	25000 W	75000 W	75000 W
Maximum current for each MPPT	36 A	36 A	36 A	36 A	108 A	108 A
Maximum short circuit current	50 A	50 A	50 A	50 A	150 A	150 A
Output side (AC side)						
Connection type	Three phase 3W+PE or 4W+PE					
Rated power	120000 W					
Maximum apparent power	120000 VA					
Rated voltage	480 V					
Voltage range	384 - 576					
Maximum current for each MPPT	145 A					
Rated frequency	50 Hz / 60 Hz					
Environmental						
Operating ambient temperature range	-25 to +60°C with derating above 40°C					
Relative humidity	4% - 100% condensing					
Environmental protection rating	IP 66 (IP54 for cooling section)					
Cooling	Forced air					
Dimension (H x W x D)	869x1086x419 mm / 34.2” x 42.7” x 16.5”					

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 S. Giorgio 642, CP: 52028, Terranuova B.ni (AR), Italy

Sample Report Number:

20948-TM

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

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

Inspection Report Number:

20948-21-1-IF

RECORD OF CHANGES

Revision	Modification / Changes	Date
0	Initial version	21/07/2021