Product Certificate Number	**21054-CER**	
Applicant	FIMER S.p.A. Via Tortona 25, CP:20144, Milano (MI), 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 1.	
Software version	2121A	
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 according to: PREZES. URZĘDU REGULACJI ENERGETYKI. DRE.WOSE.7128.550.2.2018.ZJ: 01/2019.	

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. 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 31 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, September 20, 2021. This certificate is valid until September 20, 2026

Esther Ortega Serrano
Head of Certification Department

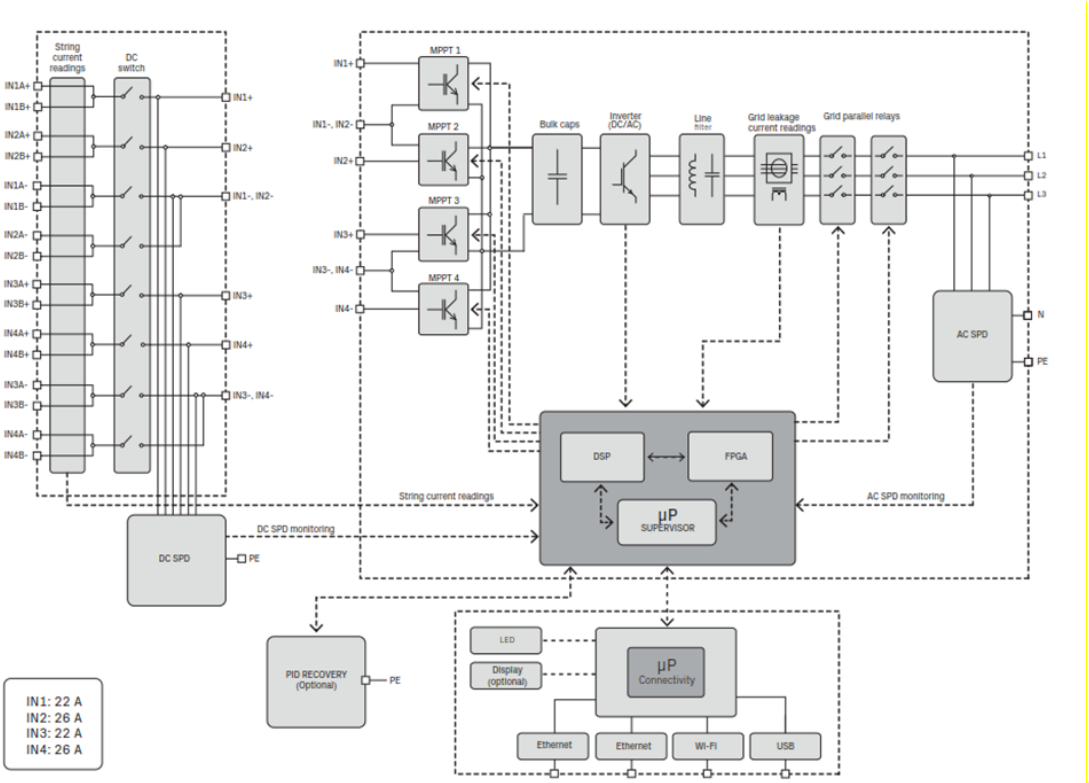
Technical data

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			
Starrt-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.

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:

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, AR, Italy

Inspection Report Number:

20948-21-1-IF

RECORD OF CHANGES

Revision	Modification / Changes	Date
0	Initial version	20/09/2021