

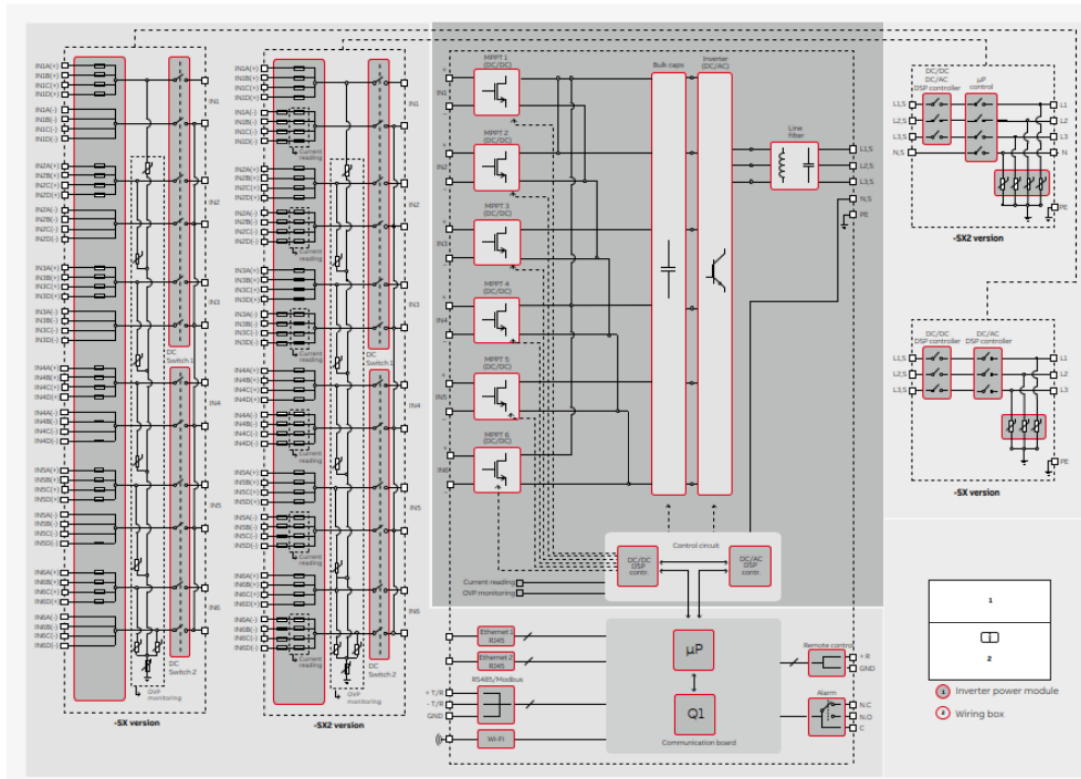
<b>Product Certificate Number</b>	<b>20948-2-CER</b>
<b>Applicant</b>	FIMER S.p.A. Via Tortona 25, 20144, Milano, Italy
<b>Series</b>	PVS
<b>Models/</b>	PVS-100-TL PVS-120-TL
<b>Type of generating unit</b>	Three-Phase Solar Inverter
<b>Technical Data</b>	See pages 2 and 3.
<b>Software version</b>	PVS-100-TL: 2116B PVS-120-TL: 2116C
<b>Network connection code</b>	<b>COMMISSION REGULATION (EU) 2016/631</b> of 14 April 2016 establishing a network code on requirements for grid connection of generators. Types A and B.
<p>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.</p> <p>The above-mentioned generating unit complies with the requirements of the:</p> <p><b>COMMISSION REGULATION (EU) 2016/631</b> of 14 April 2016 establishing a network code on requirements for grid connection of generators. Types A and B.</p> <p>This certification is according the CERE internal process PET-CERE-30 Rev 0 based on the requirements of the EN ISO/IEC 17065:2012. For this certification process the conformity assessment activities were based on:</p> <ul style="list-style-type: none"> <li>• Testing of production samples selected by CERE.</li> <li>• Audit of quality system according ISO 9001 with certificate number: C2021-02571-T issued by a certification body accredited according EN ISO/IEC 17021.</li> <li>• Inspection of the manufacturing process.</li> </ul>	
<p>Madrid, October 6, 2021. This certificate is valid until October 6, 2026</p> <p style="text-align: right;">Miguel Martínez Lavin Certification Manager</p>	

### Technical data

PVS-100-TL						
Wiring Box version	SX	SX2	SY	SY2	Standard	S2
<b>Input side (DC side)</b>						
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
<b>Output side (AC side)</b>						
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					
<b>Environmental</b>						
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
<b>Input side (DC side)</b>						
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
<b>Output side (AC side)</b>						
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					
<b>Environmental</b>						
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 San Giorgio 642  
52028, Terranuova Bracciolini, 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, Italy

Inspection Report Number:

20948-21-1-IF

**RECORD OF CHANGES**

Revision	Modification / Changes	Date
0	Initial version	06/10/2021