



FIMER

Solar Inverter PVM-75/100/125/155- TL-US

With four power sizes and up to 12 MPPT, which can be paralleled according to the project needs, this inverter is designed to offer an innovative and flexible solar solution for commercial & industrial applications.

Key Features

- 6-12 MPPTs @ 32A each
- Parallelable channels
- High PV Panel Compatibility
- Integrated Arc Fault Detection
- Fuseless Design
- Real-time I-V Curve
- Removable heatsink covers and fan tray
- UL / IEEE Compliant
- FEOC compliant

MADE IN

ITALY

Solar Inverter

PVM-75/100/125/155-TL-US



Model	PVM-75	PVM-100	PVM-125	PVM-155
Input Side (DC)				
Absolute maximum DC voltage (Vmax.abs)	1000 V			
Operating DC voltage range (Vdcmin...Vdcmax)	200-1000 V			
Number of independent MPPT	6	8	10	12
Maximum DC current (Idcmax) for each MPPT	32 A			
Maximum DC power per MPPT (PMPPT.max)	20000 W			
DC voltage range(VMPPTmin...VMPPTmax) at Pacr	460-850 V			
Maximum Isc per MPPT	50 A			
Number of DC input pairs for each MPPT	2			
DC Connection type	Staubli EVO2 MC4 quick fit connector			
Output Side (AC)				
AC Grid connection type	Three-phase (3W+PE or 3W+N+PE)			
Earthing system	TN-S, TN-C, TN-CS, TT and IT			
Rated apparent power (Sr)	75000 VA	100000 VA	125000 VA	155000 VA
Maximum AC Output Power (Pacmax@COSφ=1)	75000 W	100000 W	125000 W	155000 W
Nominal power factor and adjustable range	> 0.995; 0.8 ... 1 inductive / capacitive			
Rated AC grid voltage (Vac.r)	480 V +/- 10%			
Rated AC Output Current (Iac.r)	90.25 A	120.3 A	150.4 A	186.5 A
Maximum AC output current (Iac.max)	95 A	125 A	152 A	190 A
Rated output frequency (fr)	60 Hz			
Maximum AC cable	500 KCMIL copper or aluminum			
Environmental, Physical and Safety				
Ambient temperature range	-25...+60°C (-13...140°F) with derating above 45°C(113°F)			
Environmental Protection Rating	IP66 (Power Compartment) - IP65 (Wiring Box)			
Dimensions	27.5 in X 37.4 in X 13.8 in			
Weight	183 lbs.	192 lbs.	198.5lbs.	205 lbs.
Grid standard	CAN CSA-C22.2, Hawaii SRD V2.0, IEEE 1547A-2020 and IEEE 1547.1-2020			