



Who will give you top yields
from your PV plant?

The new SINVERT PVM inverter family for outputs from 10 to 20 kW:
98% peak efficiency, compact, robust, durable.

Answers for energy.

SIEMENS



Bright times for photovoltaic plants from 10 kW to the MW range

The new SINVERT PVM photovoltaic inverters

Whether it is for barns, schools, roofs of industrial buildings, or ground-mounted plants – now you can very efficiently use the power of the sun: with the new 3-phase SINVERT PVM photovoltaic inverters. With these inverters, you will get a peak efficiency of 98% when converting solar electricity and feeding it into the grid. The compact wall-mounted devices are designed to be rugged and durable. First-class performance which pays off: therefore 98+.



A top-of-the-line inverter family

The new SINVERT PVM inverters are now available in 10, 13 and 17 kW (an expansion is in the works). On the one hand, this modularity simplifies planning and, on the other hand, it simplifies installation: You will need less devices and there is less cabling required than for conventional solutions.

Versatile, rugged and durable

The compact wall-mounted units with degree of protection IP65 are suited for both indoor and outdoor use and for any kind of module technology, as long as no module grounding is required. By not using external fans, the units are extremely rugged and less sensitive to environmental influences.

Your benefits at a glance:

- Ideal for medium-sized PV plants from 10 kW to the MW range
- Maximum plant yield and a high degree of plant availability
- Powerful and compact wall-mounted units
- Flexible PV plant planning thanks to a modular family of devices
- Can be used internationally
- Easy to install
- Low total cost of ownership: maintenance-free devices and high-quality components
- Worldwide service, hotline support, replacement device service



Extremely rugged: SINVERT PVM inverters do not have external fans

Technical data at a glance (preliminary)

	Type		PVM10	PVM13	PVM17
DC	U MPP min	V	380	420	525
	U MPP max	V	850	850	850
	U DC max	V	1000	1000	1000
	I DC max	A	29	30	32
	Overvoltage protection		Type 3		
AC	P rated	kW	10.0	12.4	16.5
	P max	kW	10.0	12.4	16.5
	I max	A	18	18	25
	Grid interface		3AC 400 V; 50/60 Hz		
	cos phi		0.9 i to 0.9 c		
	THD I	%	<2.5		
	eta max	%	98.0	98.0	98.0
	eta EU	%	97.4	97.5	97.7
	Infeed starting at	W	20		
	Own consumption at night	W	<0.5		
	Overvoltage protection		Type 3		
Ambient conditions	T min	°C	-25		
	T max	°C	55		
	T max for P rated	°C	50	50	40
	Cooling		natural convection		
	Max. installation altitude	m	2000		
	Operating noise	dBa	<45		
	Width (approx.)	mm	530		
	Height (approx.)	mm	600		
	Depth (approx.)	mm	265		
Weight (approx.)	kg	40			

SINVERT PVM – the highlights:

- 3-phase solar inverter with 3 outputs: 10, 13, 17 kW
- Peak efficiency of 98%
- European efficiency > 97% over a broad range of power
- Very low own consumption (night < 0.5 W)
- Very wide MPP range
- Full output up to 40 °C respectively 50 °C ambient temperature
- Rugged, compact wall-mounted unit for indoors and outdoors (degree of protection IP65) without external fans
- Suited for any module technology, as long as no module grounding is required
- SINVERT Webmonitor for worldwide access and analysis of inverter and PV plant data
- SINVERT Select configuring tool for optimal PV plant planning

Siemens AG
Industry Sector
Systems Engineering
P.O. Box 23 55
90713 FÜRTH
GERMANY

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