

Solar inverter systems: Efficiently exploiting regenerative energy

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Technical Features

SINVERT PVM10 / PVM13 / PVM17 / PVM20 ranges

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> Some particularities and features

Three-phase solar inverters with four power ratings: **10, 13, 17 and 20 kW**

Optimally suited for medium-sized PV systems from 10 kW up to the MW range

Peak efficiency factor of > 98%

European efficiency factor of > 97 % over a very broad performance range

Very broad MPP range

Rugged, compact wall-mounted device for indoor and outdoor applications with protection class IP65 without external fans
SINVERT WebMonitor for worldwide inverter and system data monitoring

> Technical data at a glance

	PVM10	PVM13	PVM17	PVM20
Input DC				
U MPP min	380 V	420 V	460 V	480 V
U MPP max		850 V		
U DC max		1000 V		
I DC max	29 A	30 A	37 A	41 A
OV protection		Type 3		
Output AC				
P rated	10.0 kW	12.4 kW	16.5 kW	19.2 kW
P max	10.0 kW	12.4 kW	16.5 kW	19.2 kW
I max	18 A	18 A	29 A	29 A
Power supply		3AC 400 V; 50/60 Hz		
cos phi		0.91 to 0.9 c		
THD I		< 2.5 %		
eta max	98.0 %	98.0 %	98.2 %	98.2 %
eta EU	97.4 %	97.5 %	97.8 %	97.8 %
Infeed from		60 W		
Intrinsic consumption night		< 0.5 W		
OV protection		Type 3		
Other specifications				
T min		-25°C		
T max		+55°C		
T max for rated P	+50°C	+50°C	+40°C	+40°C
Cooling		Natural convection		
Max installation altitude		2000 m above sea level		
Operating noise		< 45 dB(A)		
Width (approx.)		530 mm		
Height (approx.)		600 mm		
Depth (approx.)		260.5 mm		

poits (uVkg)