

PAC Tiny 1, 1.5 and 2.0

above-average yield

Quality

The design of the inverter series PAC, the use of high-quality components, the component-saving thermal management as well as the highest certified quality standards guarantee a long life time of the inverters.

OELMAIER Service

The display clearly informs about the status as well as the yield of the PV system and allows the installer a quick start up.

Performance

The inverter series PAC has an outstanding robustness against frequently occurring distortions in the electric mains and therefore guarantees a smooth power generation. The holistic MPP tracking procedure combines the advantages of several proven procedures. This enables optimal electricity generation and highest possible solar yields.



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Technical Data

Inverter String		PAC Tiny 1	PAC Tiny 1.5	PAC Tiny 2
Input (DC)				
Max. DC Power	kW	1,4	2,1	2,6
PV-voltage range, MPPT	V	100 ... 330		
Max. DC voltage	V _{DC}	380		
Max. input current	A	16		
Number of strings		1		
Number of MPP-Tracker		1		
DC reverse polarity protection		yes by Rectifier		
Over voltage protection		yes, by MOVs		
Output (AC)				
Nominal Output Power	kW	1,0	1,5	2,0
Max. AC power	kW	1,25	1,85	2,25
Nominal AC voltage / range	V	230		
Safety cut-off unit	V	after 10 min, when U _{AC} > 253 V, after 0,2 sec, when U _{AC} > 264 V		
Nominal AC current	A	4,4	6,5	8,7
Max. AC-current	A	6,5	9,8	11,4
AC grid frequency		50 Hz / optional on request 60 Hz		
cos-phi		0,9 ind. ... 0,9 kap.		
AC-connection		single-phase		
THD at rated power	%	3		
General electrical Data				
Max. efficiency	%	97		
Euro-Eta	%	95		
Consumption (Operation)	W	< 5		
Consumption (Standby)	W	0		
Min. Grid power	W	> 15		
Topology		self controled, transformerless		
Grid monitoring		ENS acording VDE 0126-1-1:2006-02, according VDEW		
Standards		VDE-AR-N 4105		
Mechanical Data				
Display		LCD 2 x 16 signs		
Controls		5 Buttons		
Interfaces		optional		
Connections, Terminals		DC: „MC4“ / AC: „Push in spring cage“		
Operating temperature range		- 20 °C ... + 50 °C *		
Thermal control		> 75 °C temperature-adjusting by reduced power / > 85 °C shutdown		
Failure output		Realais, potential free max. 30 V / 1 A optional		
Cooling		Convection / no fan		
Protection claas		IP 65		
Noise emission		< 35 dB (A)		
DC load-disconnection switch		optional		
Housing		Steel, powder coatet		
Dimensions	mm	359 x 243 x 165		
Weight	kg	11,5		