



# TWERD ENERGO-PLUS

## Pricelist for inverters PS100 i PS300

Device (PV - photovoltaic, WT – inverter for wind turbine)	Unit price	
<b>PS100 – one phase inverter (on-grid)</b>		
PS100-PV 3 kW	1 500,00 €	
PS100-WT 3 kW		
<b>PS100 – one phase inverter with battery charger</b>		
PS100-PV 3 kW + BC*	2 500,00 €	
<b>PS300 – three phase inverter (on-grid)</b>		
PS300-PV 3 kW	1 500,00 €	
PS300-WT 3 kW	2 500,00 €	
PS300-PV 5 kW	1 700,00 €	
PS300-WT 5 kW, PS300-H 5 kW	2 700,00 €	
PS300-PV 8 kW	1 600,00 €	
PS300-WT 8 kW, PS300-H 8 kW	2 900,00 €	
PS300-PV 10 kW	2 000,00 €	
PS300-WT 10 kW, PS300-H 10 kW	3 300,00 €	
<b>Other devices</b>		
PS100 Energy Guard	<b>version (table 1)</b>	<b>Unit price</b>
	A	400,00 €
	B	500,00 €
	C	800,00 €
	D	800,00 €

\* When ordering, please specify the system type:

1. On-grid – a system with a battery charger with connection to the power grid. It does not work without electrical grid.
2. Off-grid – a system with a battery charger without possibility of connecting to electrical grid. Works only with a dedicated network (island work).

Table 1. Types of Energy Guard module

Ver.	Current transformer type	Current multiplier <sup>4)</sup>	Current transformer version	Max. wire diameter	Max Current [A]	Max active power P [W] <sup>1)</sup>	
A	PA3206NL	1	inside	16 mm <sup>2 2)</sup>	40 A	9 kW	28 kW
B	PA3206NL	1	outside	φ 7,5 mm <sup>2 3)</sup>	100 A	23 kW	70 kW
C	ART-B22-D070	1	outside	φ 70 mm <sup>2 3)</sup>	1000 A	230 kW	692 kW
D	ART-B22-D070	2	outside	φ 70 mm <sup>2 3)</sup>	2000 A	460 kW	1385 kW

1) Calculated for a sinusoidal current with  $\cos\phi=1$  and grid voltage of 230VAC/400VAC.

2) for each phase

3) hole diameter

4) The current multiplier is determined at the time of ordering and can not be changed later

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