

# GENERATOR SOLAR CURENT ALTERNATIV 220V

## INVERTOR UNDA PURA SINUSOIDALA 1000W

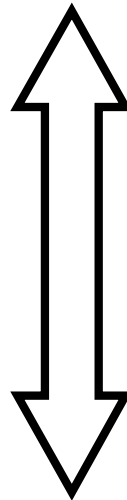
Ideal pentru agricultura si cabane izolate. Poate fi incarcat direct la priza 220V fara panouri fotovoltaice conectate.



POMPA APA , CASA



IESIRE INVERTOR 220V 50Hz



INTRARE INVERTOR



<b>Invertor</b>	<b>Putere</b>	<b>1000W nominal (2000W varf)</b>
	<b>Tensiune CC</b>	<b>24V</b>
	<b>Protectie tensiune mica</b>	<b>21V</b>
	<b>Structura invertor</b>	<b>Putere frecventa</b>
	<b>Intrare retea in invertor</b>	<b>220V/230V/240V (±25%)</b>
	<b>Iesire la retea din invertor</b>	<b>220V/230V/240V (±2%)</b>
	<b>Curent incarcare regulator</b>	<b>10A</b>
	<b>Mod functionare</b>	<b>Retea 220V / Sistem fotovoltaic</b>
	<b>Timp conversie</b>	<b>≤4ms</b>
	<b>Capacitate suprasarcina</b>	<b>Suprasarcina 100% generatorul nu se opreste; suprasarcina 110% 30 secunde generatorul se opreste automat; suprasarcina 120% oprire automata in 2 secunde; cand este conectat generatorul la 220V nu se opreste la suprasarcina</b>
	<b>Eficienta conversie CC-CA</b>	<b>≥80%</b>
	<b>Forma unda sinusoidala</b>	<b>Unda sinusoidala pura</b>
	<b>Conditii lucru</b>	<b>Temperatura 0-40°C, Umiditate 10-90%</b>
	<b>Mod racire</b>	<b>Aer ventilat</b>
	<b>Functii protectie</b>	<b>Retea supra / sub tensiune; curent continuu prea mare / tensiune mica; scurtcircuit iesire invertor</b>
	<b>Afisaj</b>	<b>LCD</b>
	<b>Distorsiune iesire unda</b>	<b>≤±3%</b>
<b>Frecventa intrare/iesire invertor</b>	<b>50Hz</b>	
<b>Baterie</b>	<b>Tip baterie</b>	<b>Ciclu adanc fara intretinere (Deep Cycle VRLA)</b>
	<b>Capacitate baterie</b>	<b>100AH/12V×2</b>
	<b>Timp descarcare ( sarcina maxima calculat )</b>	<b>1.3H</b>
<b>Specificatii generator</b>	<b>Dimensiune (mm)</b>	<b>580×300×610</b>
	<b>Greutate</b>	<b>78KG</b>

#### Oferta configuratie:

1. Invertor hibrid inteligent 1000W 24V unda pura sinusoidala (include regulator incarcare 10A, conectare intrare 220V, posibilitate UPS backup, stabilizator 220V, incarcare maxima 2000W)
2. Regulator controler solar inteligent 50A
3. Baterii Deep Cycle VRLA 100Ah 12V (2 bucati)
4. Panou policristalin 250W (2 bucati)
5. Cabluri solare cu conectori solari MC4, protectii electrice incluse.

Garantie furnizor: 1 an.

**PRET cu TVA: 6870 RON**

## Solar radiation database used: PVGIS-CMSAF

Nominal power of the PV system: 500.0 W (crystalline silicon)

Estimated losses due to temperature and low irradiance: 10.4% (using local ambient temperature)

Estimated loss due to angular reflectance effects: 2.9%

Other losses (cables, inverter etc.): 14.0%

Combined PV system losses: 25.2%

<b>Fixed system: inclination=35°, orientation=0°</b>				
<b>Month</b>	<b>E<sub>d</sub></b>	<b>E<sub>m</sub></b>	<b>H<sub>d</sub></b>	<b>H<sub>m</sub></b>
Jan	823.00	25,500	1.98	61.4
Feb	1,220.00	34,100	3.00	83.9
Mar	1,910.00	59,300	4.94	153
Apr	2,070.00	62,200	5.57	167
May	2,190.00	67,900	6.04	187
Jun	2,290.00	68,700	6.40	192
Jul	2,360.00	73,200	6.66	206
Aug	2,280.00	70,600	6.40	198
Sep	1,960.00	58,800	5.34	160
Oct	1,540.00	47,700	4.03	125
Nov	945.00	28,400	2.37	71.1
Dec	677.00	21,000	1.63	50.6
<b>Yearly average</b>	<b>1,690</b>	<b>51,500</b>	<b>4.54</b>	<b>138</b>
<b>Total for year</b>	<b>618,000</b>		<b>1660</b>	

E<sub>d</sub>: Average daily electricity production from the given system (Wh)

E<sub>m</sub>: Average monthly electricity production from the given system (Wh)

H<sub>d</sub>: Average daily sum of global irradiation per square meter received by the modules of the given system (kWh/m<sup>2</sup>)

H<sub>m</sub>: Average sum of global irradiation per square meter received by the modules of the given system (kWh/m<sup>2</sup>)