

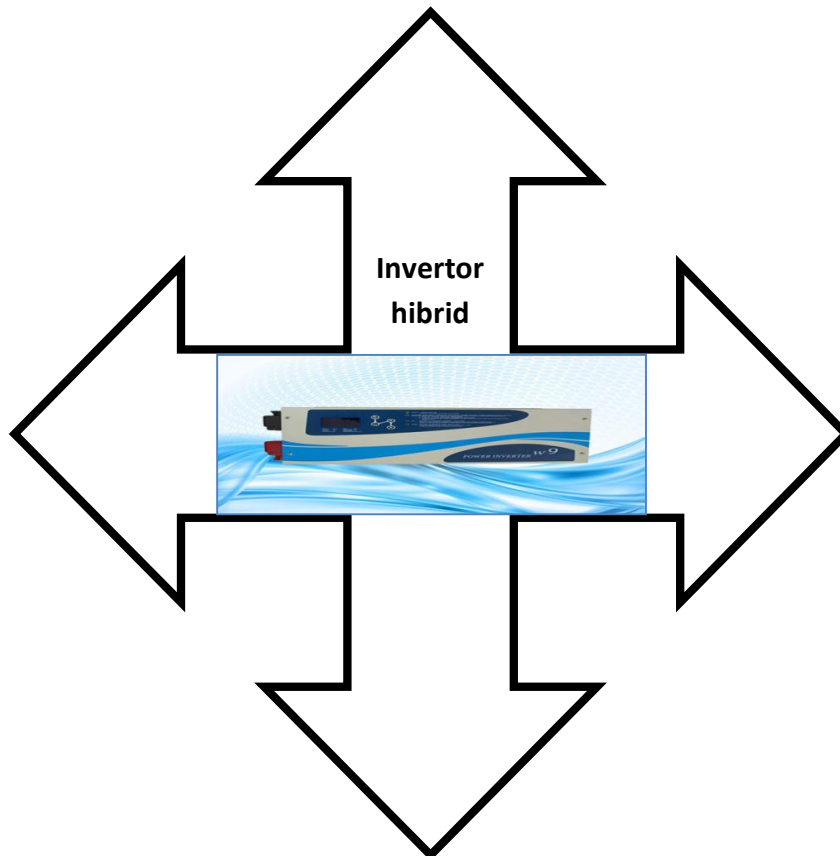
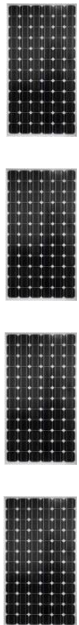
SISTEM FOTOVOLTAIC GENERATOR CURENT ALTERNATIV 220V

CU INVERTOR HIBRID UNDA PURA SINUSOIDALA 1500W



Retea 220V 50Hz

***4 Panouri Monocristaline /
Policristaline 250W 24V***



***2 baterii VRLA
200Ah***



MPPT regulator solar 40A



Sistemul hibrid genereaza curent independent, iar in cazul in care puterea consumatorilor este mai mare decat energia stocata in baterii si energia debitata de modulele fotovoltaice invertorul solar cupleaza automat reseaua 220V.

Nu este necesara aprobarea de la distribuitorul de energie si nu debiteaza curent in retea.

In momentul penei de curent 220V retea nationala, in gospodaria DVS va fi in continuare energie electrica.

Oferta configuratie:

- 1. Panouri fotovoltaice policristaline 250W 24V (1650x992x45mm) – 4 buc**
- 2. Invertor inteligent hibrid unda sinusoidala pura cu conectare la retea 220V 1500W 24V (sarcina maxima 3000W, regulator incarcare integrat cu selectare meniu curent, selectare meniu tip baterie VRLA, afisaj LCD, selectare meniu mod functionare prioritate: fotovoltaic / retea 220 / standby, include functie UPS backup, functie stabilizator 220V) – 1buc**
- 3. Regulator controler solar MPPT 40A 24V – 1buc**
- 4. Baterie descarcare adanca VRLA Deep Cycle 200Ah 12V – 2 buc**
- 5. Cabluri solare cu conectori solari MC4**
- 6. Proiectare sistem fotovoltaic**
- 7. Punere in functiune sistem fotovoltaic**

Manopera montaj, transport, structura prindere panouri – nu sunt incluse in pret

Garantie furnizor : 1 an.

Durata functionare in conditii standard de lucru 25°C:

- Panouri fotovoltaice: minim 25 ani**
- Invertor: minim 10 ani**
- Baterii : 5-8 ani**
- Regulator MPPT: minim 10 ani.**

PRET cu TVA: 12700 RON

Solar radiation database used: PVGIS-CMSAF

Nominal power of the PV system: 1000.0 kW (crystalline silicon)

Estimated losses due to temperature and low irradiance: 10.3% (using local ambient temperature)

Estimated loss due to angular reflectance effects: 2.9%

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

Combined PV system losses: 25.1%

Fixed system: inclination=35°, orientation=0°				
Month	E_d	E_m	H_d	H_m
Jan	1,640.00	51,000	1.98	61.4
Feb	2,350.00	65,800	2.89	81.0
Mar	3,860.00	120,000	4.98	154
Apr	4,090.00	123,000	5.48	164
May	4,350.00	135,000	5.97	185
Jun	4,560.00	137,000	6.36	191
Jul	4,710.00	146,000	6.63	206
Aug	4,560.00	141,000	6.38	198
Sep	3,860.00	116,000	5.23	157
Oct	2,990.00	92,700	3.91	121
Nov	1,860.00	55,700	2.33	70.0
Dec	1,330.00	41,100	1.60	49.7
Yearly average	3,350	102,000	4.49	137
Total for year	1220,000		1640	

E_d: Average daily electricity production from the given system (kWh)

E_m: Average monthly electricity production from the given system (kWh)

H_d: Average daily sum of global irradiation per square meter received by the modules of the given system (Wh/m²)

H_m: Average sum of global irradiation per square meter received by the modules of the given system (Wh/m²)