

# Configurator sistem hibrid izolat



locatie	dava
Altitudine [m]	100
Temp medie/an [C]	10
Radiatie[kwh/mp/zi]	3.45
cadere [m]	1.2
debit [l/s]	33
A [m/s]	4.5
k	1.7
h masura [m]	10
h butuc [m]	15
obstacol echiv [m]	0.1

20-Mar-2013

pret/w	1	pret/w	0.2	pret/w	2	pret/w	2.3	pret/Ah	1.75	pret/w	0.7
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nr p sol in serie	1	nr incarc	1	nr t hidro	1	nr t vant	1	nr bat in serie	2	nr inv	1
nr serii in II	8							nr serii in II	2		



spre calcul economic

c.sarcina 3

	turb vant	swea
1 P [Kw]	1.0	
2 Diam [m]	2.8	
3 h but [m]	6.0	
4 rand [%]	0.0	
5 Ue [V]	48.0	
6 Utr [Kv]	0.0	
7 fr [Hz]	0.0	
8 P(3.5)	0.05	
9 P(4.5)	0.15	
10 P(5.5)	0.25	
11 P(6.5)	0.4	
12 P(7.5)	0.6	
13 P(8.5)	0.8	
14 P(9.5)	1.1	
15 P(10.5)	1.4	
16 P(11.5)	1.42	
17 P(12.5)	1.2	
18 P(13.5)	1.05	
19 P(14.5)	1.0	
20 P(15.5)	0.73	
21 P(16.5)	0.5	
22 P(17.5)	0.2	

	tip panou	ETM5-195
1 P [w]		195.0
2 Ue [V]		36.94
3 Ie [A]		5.28
4 Ugol [V]		45.33
5 efic. [%]		15.27
6 lung[mm]		1580.0
7 lat [mm]		808.0
8 gros[mm]		50.0

	turb hidro	LH1k-24
1 P [kw]	1.0	
2 Ue [V]	0.6	
3 hmax [m]	3.0	
4 Dmin [l/s]	30.0	
5 Dmax [l/s]	63.0	
6 Ue [V]	24.0	
7 frecv[Hz]	0.0	
8 rand [%]	90.0	

	incarcator	Steca-taro...
1 P [kw]	1.0	
2 Tps min [V]	30.0	
3 Tps max [m]	47.0	
4 Ipmx [A]	45.0	
5 Tbat [V]	24.0	
6 Tbatmin [V]	9.5	
7 Tbatmax [V]	29.0	
8 rand [%]	94.0	

	tip bat	romb150ah
1 C(20h)[Ah]	150.0	
2 C(5h)[Ah]	120.0	
3 Tens [V]	12.0	
4 lung [mm]	484.0	
5 lat [mm]	171.0	
6 inal[mm]	241.0	
7 greut[Kg]	29.0	

	tip inv	Steca-XTM3k5
1 P[Kw]	3.0	
2 Ui min[V]	19.0	
3 Ui max[V]	34.0	
4 Ue[V]	230.0	
5 THD [%]	2.0	
6 frecv[Hz]	50.0	
7 rand [%]	94.0	

KW inst	solara	1.56	hidro	1	vant	1
MWh/an	E. solara	1.96	E. hidro	3.06	E. vant	2

Asig max	0.97	C m [kwh/zi]	18.45	E m [kwh/zi]	18.08
E.ca livrata	6.6	C bat [kvah]	5.76	I. e. [zile]	0.31

