

notice

It has no sense at all to invest (even) in a Hybrid if you do not have enough wind !!!
 unless you have "subvention" "tax deduction benefit" "unstable network" or you are not connected to the net.

pessimistic return on investment (ROI) HYBRID 5

calculations are made based on minimal energy price risings in Europe
 without taking into account :subvention & tax deduction benefit

price kWh(today)	HYBRID 5	
€ 0,19	return on investment (min/max)	
windspeed m/sec	min kWh/year	max kWh/year
4 m/sec	1.203	4.114
after...	minimum	maximum
3 years	€ 722	€ 2.468
5 years	€ 1.588	€ 5.430
10 years	€ 4.295	€ 14.687
15 years	€ 7.603	€ 26.000
20 years	€ 11.693	€ 39.988
25 years	€ 16.806	€ 57.473
30 years	€ 22.821	€ 78.043

4 m/sec average is rather poor but, acceptable.

price kWh(today)	HYBRID 5	
€ 0,19	return on investment (min/max)	
windspeed m/sec	min kWh/year	max kWh/year
6 m/sec	3.890	7.025
after...	minimum	maximum
3 years	€ 2.334	€ 4.215
5 years	€ 5.135	€ 9.273
10 years	€ 13.887	€ 25.079
15 years	€ 24.585	€ 44.398
20 years	€ 37.811	€ 68.283
25 years	€ 54.343	€ 98.139
30 years	€ 73.793	€ 133.264

5 & 6 m/sec average speed is most frequently encountered

price kWh(today)	HYBRID 5	
€ 0,19	return on investment (min/max)	
windspeed m/sec	min kWh/year	max kWh/year
8 m/sec	8.787	8.830
after...	minimum	maximum
3 years	€ 5.272	€ 5.298
5 years	€ 11.599	€ 11.656
10 years	€ 31.370	€ 31.523
15 years	€ 55.534	€ 55.806
20 years	€ 85.410	€ 85.828
25 years	€ 122.754	€ 123.355
30 years	€ 166.689	€ 167.505

8 m/sec average speed is not so frequent

price kWh(today)	HYBRID 5	
€ 0,19	return on investment (min/max)	
windspeed m/sec	min kWh/year	max kWh/year
5 m/sec	2.259	5.621
after...	minimum	maximum
3 years	€ 1.355	€ 3.373
5 years	€ 2.982	€ 7.420
10 years	€ 8.065	€ 20.067
15 years	€ 14.277	€ 35.525
20 years	€ 21.957	€ 54.636
25 years	€ 31.558	€ 78.525
30 years	€ 42.853	€ 106.630

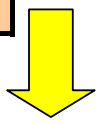
5 & 6 m/sec average speed is most frequently encountered

price kWh(today)	HYBRID 5	
€ 0,19	return on investment (min/max)	
windspeed m/sec	min kWh/year	max kWh/year
7 m/sec	6.024	7.992
after...	minimum	maximum
3 years	€ 3.614	€ 4.795
5 years	€ 7.952	€ 10.549
10 years	€ 21.506	€ 28.531
15 years	€ 38.072	€ 50.509
20 years	€ 58.553	€ 77.682
25 years	€ 84.155	€ 111.648
30 years	€ 114.275	€ 151.608

7 m/sec average speed is not so frequent

price kWh(today)	HYBRID 5	
€ 0,19	return on investment (min/max)	
windspeed m/sec	min kWh/year	max kWh/year
9 m/sec	9.625	12.081
after...	minimum	maximum
3 years	€ 5.775	€ 7.249
5 years	€ 12.705	€ 15.947
10 years	€ 34.361	€ 43.129
15 years	€ 60.830	€ 76.352
20 years	€ 93.555	€ 117.427
25 years	€ 134.461	€ 168.772
30 years	€ 182.586	€ 229.177

9 m/sec average wind speed, is rather exceptional



pessimistic return on investment (ROI) HYBRID 15

calculations are made based on minimal energy price risings in Europe
without taking into account :subvention & tax deduction benefit

price kWh(today)	HYBRID 15	
€ 0,19	return on investment (min/max)	
windspeed m/sec	min kWh/year	max kWh/year
4 m/sec	3.420	11.696
after...	minimum	maximum
3 years	€ 2.052	€ 7.018
5 years	€ 4.514	€ 15.439
10 years	€ 12.209	€ 41.755
15 years	€ 21.614	€ 73.919
20 years	€ 33.242	€ 113.685
25 years	€ 47.777	€ 163.393
30 years	€ 64.877	€ 221.873
4 m/sec average is rather poor but, acceptable.		

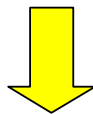
price kWh(today)	HYBRID 15	
€ 0,19	return on investment (min/max)	
windspeed m/sec	min kWh/year	max kWh/year
6 m/sec	11.059	19.972
after...	minimum	maximum
3 years	€ 6.635	€ 11.983
5 years	€ 14.598	€ 26.363
10 years	€ 39.481	€ 71.300
15 years	€ 69.893	€ 126.223
20 years	€ 107.493	€ 194.128
25 years	€ 154.494	€ 279.009
30 years	€ 209.789	€ 378.869
5 & 6 m/sec average speed is most frequently encountered		

price kWh(today)	HYBRID 15	
€ 0,19	return on investment (min/max)	
windspeed m/sec	min kWh/year	max kWh/year
8 m/sec	24.981	25.104
after...	minimum	maximum
3 years	€ 14.989	€ 15.062
5 years	€ 32.975	€ 33.137
10 years	€ 89.182	€ 89.621
15 years	€ 157.880	€ 158.657
20 years	€ 242.815	€ 244.011
25 years	€ 348.985	€ 350.703
30 years	€ 473.890	€ 476.223
8 m/sec average speed is not so frequent		

price kWh(today)	HYBRID 15	
€ 0,19	return on investment (min/max)	
windspeed m/sec	min kWh/year	max kWh/year
5 m/sec	6.422	15.981
after...	minimum	maximum
3 years	€ 3.853	€ 9.589
5 years	€ 8.477	€ 21.095
10 years	€ 22.927	€ 57.052
15 years	€ 40.587	€ 101.000
20 years	€ 62.422	€ 155.335
25 years	€ 89.715	€ 223.255
30 years	€ 121.825	€ 303.160
5 & 6 m/sec average speed is most frequently encountered		

price kWh(today)	HYBRID 15	
€ 0,19	return on investment (min/max)	
windspeed m/sec	min kWh/year	max kWh/year
7 m/sec	17.126	22.721
after...	minimum	maximum
3 years	€ 10.276	€ 13.633
5 years	€ 22.606	€ 29.992
10 years	€ 61.140	€ 81.114
15 years	€ 108.236	€ 143.597
20 years	€ 166.465	€ 220.848
25 years	€ 239.250	€ 317.412
30 years	€ 324.880	€ 431.017
7 m/sec average speed is not so frequent		

price kWh(today)	HYBRID 15	
€ 0,19	return on investment (min/max)	
windspeed m/sec	min kWh/year	max kWh/year
9 m/sec	27.367	34.746
after...	minimum	maximum
3 years	€ 16.420	€ 20.848
5 years	€ 36.124	€ 45.865
10 years	€ 97.700	€ 124.043
15 years	€ 172.959	€ 219.595
20 years	€ 266.007	€ 337.731
25 years	€ 382.317	€ 485.402
30 years	€ 519.152	€ 659.132
9 m/sec average wind speed, is rather exceptional		



pessimistic return on investment (ROI) HYBRID 30

calculations are made based on minimal energy price risings in Europe
without taking into account :subvention & tax deduction benefit

price kWh(today)	HYBRID 30	
€ 0,19	return on investment (min/max)	
windspeed m/sec	min kWh/year	max kWh/year
4 m/sec	6.840	23.392
after...	minimum	maximum
3 years	€ 4.104	€ 14.035
5 years	€ 9.029	€ 30.877
10 years	€ 24.419	€ 83.509
15 years	€ 43.229	€ 147.837
20 years	€ 66.485	€ 227.370
25 years	€ 95.555	€ 326.786
30 years	€ 129.755	€ 443.746
4 m/sec average is rather poor but, acceptable.		

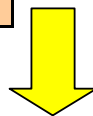
price kWh(today)	HYBRID 30	
€ 0,19	return on investment (min/max)	
windspeed m/sec	min kWh/year	max kWh/year
6 m/sec	22.119	39.944
after...	minimum	maximum
3 years	€ 13.271	€ 23.966
5 years	€ 29.197	€ 52.726
10 years	€ 78.965	€ 142.600
15 years	€ 139.792	€ 252.446
20 years	€ 214.997	€ 388.256
25 years	€ 309.002	€ 558.018
30 years	€ 419.597	€ 757.738
5 & 6 m/sec average speed is most frequently encountered		

price kWh(today)	HYBRID 30	
€ 0,19	return on investment (min/max)	
windspeed m/sec	min kWh/year	max kWh/year
8 m/sec	49.963	50.207
after...	minimum	maximum
3 years	€ 29.978	€ 30.124
5 years	€ 65.951	€ 66.273
10 years	€ 178.368	€ 179.239
15 years	€ 315.766	€ 317.308
20 years	€ 485.640	€ 488.012
25 years	€ 697.983	€ 701.392
30 years	€ 947.798	€ 952.427
8 m/sec average speed is not so frequent		

price kWh(today)	HYBRID 30	
€ 0,19	return on investment (min/max)	
windspeed m/sec	min kWh/year	max kWh/year
5 m/sec	12.845	31.963
after...	minimum	maximum
3 years	€ 7.707	€ 19.178
5 years	€ 16.955	€ 42.191
10 years	€ 45.857	€ 114.108
15 years	€ 81.180	€ 202.006
20 years	€ 124.853	€ 310.680
25 years	€ 179.445	€ 446.523
30 years	€ 243.670	€ 606.338
5 & 6 m/sec average speed is most frequently encountered		

price kWh(today)	HYBRID 30	
€ 0,19	return on investment (min/max)	
windspeed m/sec	min kWh/year	max kWh/year
7 m/sec	34.252	45.443
after...	minimum	maximum
3 years	€ 20.551	€ 27.266
5 years	€ 45.213	€ 59.985
10 years	€ 122.280	€ 162.232
15 years	€ 216.473	€ 287.200
20 years	€ 332.929	€ 441.706
25 years	€ 478.500	€ 634.839
30 years	€ 649.760	€ 862.054
7 m/sec average speed is not so frequent		

price kWh(today)	HYBRID 30	
€ 0,19	return on investment (min/max)	
windspeed m/sec	min kWh/year	max kWh/year
9 m/sec	54.728	68.693
after...	minimum	maximum
3 years	€ 32.837	€ 41.216
5 years	€ 72.241	€ 90.675
10 years	€ 195.379	€ 245.234
15 years	€ 345.881	€ 434.140
20 years	€ 531.956	€ 667.696
25 years	€ 764.550	€ 959.641
30 years	€ 1.038.190	€ 1.303.106
9 m/sec average wind speed, is rather exceptional		



pessimistic return on investment (ROI) HYBRID 50

calculations are made based on minimal energy price risings in Europe
without taking into account :subvention & tax deduction benefit

price kWh(today)	HYBRID 50	
€ 0,19	return on investment (min/max)	
windspeed m/sec	min kWh/year	max kWh/year
4 m/sec	10.260	35.088
after...	minimum	maximum
3 years	€ 6.156	€ 21.053
5 years	€ 13.543	€ 46.316
10 years	€ 36.628	€ 125.264
15 years	€ 64.843	€ 221.756
20 years	€ 99.727	€ 341.055
25 years	€ 143.332	€ 490.179
30 years	€ 194.632	€ 665.619
4 m/sec average is rather poor but, acceptable.		

price kWh(today)	HYBRID 50	
€ 0,19	return on investment (min/max)	
windspeed m/sec	min kWh/year	max kWh/year
6 m/sec	33.178	59.916
after...	minimum	maximum
3 years	€ 19.907	€ 35.950
5 years	€ 43.795	€ 79.089
10 years	€ 118.445	€ 213.900
15 years	€ 209.685	€ 378.669
20 years	€ 322.490	€ 582.384
25 years	€ 463.497	€ 837.027
30 years	€ 629.387	€ 1.136.607
5 & 6 m/sec average speed is most frequently encountered		

price kWh(today)	HYBRID 50	
€ 0,19	return on investment (min/max)	
windspeed m/sec	min kWh/year	max kWh/year
8 m/sec	74.944	75.311
after...	minimum	maximum
3 years	€ 44.966	€ 45.187
5 years	€ 98.926	€ 99.411
10 years	€ 267.550	€ 268.860
15 years	€ 473.646	€ 475.966
20 years	€ 728.456	€ 732.023
25 years	€ 1.046.968	€ 1.052.095
30 years	€ 1.421.688	€ 1.428.650
8 m/sec average speed is not so frequent		

price kWh(today)	HYBRID 50	
€ 0,19	return on investment (min/max)	
windspeed m/sec	min kWh/year	max kWh/year
5 m/sec	19.267	47.942
after...	minimum	maximum
3 years	€ 11.560	€ 28.765
5 years	€ 25.432	€ 63.283
10 years	€ 68.783	€ 171.153
15 years	€ 121.767	€ 302.993
20 years	€ 187.275	€ 465.996
25 years	€ 269.160	€ 669.750
30 years	€ 365.495	€ 909.460
5 & 6 m/sec average speed is most frequently encountered		

price kWh(today)	HYBRID 50	
€ 0,19	return on investment (min/max)	
windspeed m/sec	min kWh/year	max kWh/year
7 m/sec	51.379	68.164
after...	minimum	maximum
3 years	€ 30.827	€ 40.898
5 years	€ 67.820	€ 89.976
10 years	€ 183.423	€ 243.345
15 years	€ 324.715	€ 430.796
20 years	€ 499.404	€ 662.554
25 years	€ 717.765	€ 952.251
30 years	€ 974.660	€ 1.293.071
7 m/sec average speed is not so frequent		

price kWh(today)	HYBRID 50	
€ 0,19	return on investment (min/max)	
windspeed m/sec	min kWh/year	max kWh/year
9 m/sec	82.092	103.039
after...	minimum	maximum
3 years	€ 49.255	€ 61.823
5 years	€ 108.361	€ 136.011
10 years	€ 293.068	€ 367.849
15 years	€ 518.821	€ 651.206
20 years	€ 797.934	€ 1.001.539
25 years	€ 1.146.825	€ 1.439.455
30 years	€ 1.557.285	€ 1.954.650
9 m/sec average wind speed, is rather exceptional		