




## HYDROGEN FUEL CELLS (1KW , 2,5KW & 5KW )

( operate with pure hydrogen )

SPECIFICATIONS	TB-1000 / 1,2KW			TB-2500 / 2,5KW			TB-5000 / 5KW		
									
TYPE :	TB-1000			TB-2500			TB-5000		
POWER OUTPUT	1.200 W			2.500 W			5.000 W		
AC OUTPUT (Inverter) or	110 or 230 V/AC			110 or 230 V/AC			110 or 230 V/AC		
DC OUTPUT (Converter) or	12V, 24V or 48V/DC			12V, 24V or 48V/DC			12V, 24V or 48V/DC		
DC OUTPUT (Charger)	12V, 24V or 48V/DC			12V, 24V or 48V/DC			12V, 24V or 48V/DC		
HYDROGEN CONSUMPTION	12 l/h			30 l/h			60 l/h		
<b>PRICES</b>									
	TB-1000 / 1,2KW			TB-2500 / 2,5KW			TB-5000 / 5KW		
PIECES	Unregulated Voltage	12V or 24V or 48V Stabilized Voltage or Battery Charger	AC Voltage 110-220V	Unregulated Voltage	12V or 24V or 48V Stabilized Voltage or Battery Charger	AC Voltage 110-220V	Unregulated Voltage	12V or 24V or 48V Stabilized Voltage or Battery Charger	AC Voltage 110-220V
1 pc	8.500€	10.500€	12.500€	16.500€	18.500€	20.500€	20.000€	25.000€	30.000€
100 pcs	6.500€	7.500€	9.500€	14.500€	16.000€	18.000€	19.000€	24.000€	29.000€
500 pcs	5.500€	6.500€	8.500€	11.500€	13.000€	15.000€	17.000€	21.000€	25.000€
1.000 pcs	4.500€	5.500€	7.500€	9.500€	11.000€	13.000€	15.000€	17.000€	20.000€
10.000 pcs	3.000€	4.000	5.000	4.500€	5.500	6.500	7.000€	8.000	9.000

# ELECTROLYSERS FOR HYDROGEN PRODUCT ION




Hydrogen production with water electrolyzers using electricity from the grid or from solar-PV or from windgenerators.

TYPE	<b>EL-60</b> 1lit/min = 60lit/h	<b>EL-100</b> 1,6lit/min = 100lit/h	<b>EL-250</b> 4lit/min = 250lit/h	<b>EL-500</b> 8lit/min = 500lit/h	<b>EL-1.000</b> 16lit/min = 1.000lit/h
					
<b>HYDROGEN PRODUCTION ELECTROLYSER VOLTAGE INPUT ELECTRIC CONSUMPTION WATER CONSUMPTION</b>	60 lit/h 230V/AC or 48V 300W 0,6 lit/h	100 lit/h 230V/AC or 48V 500W 0,10 lit/h	250 lit/h 230V/AC or 48V 1,25KW 0,25 lit/h	500 lit/h 230V/AC or 48V 2,5KW 0,5 lit/h	1.000 lit/h 230V/AC or 48V 5KW 1 lit/h
<b>PRICES FOR ONE PIECE</b>	<b>10.000 euro</b>	<b>8.500 euro</b>	<b>12.500 Euro</b>	<b>16.500 Euro</b>	<b>25.500 Euro</b>

## HYDROGEN STORAGE SYSTEMS

( For fuel cell systems for 1KWh we need 0,8m3 of hydrogen)

Pressure from 30bar to 250 bar

<b>HS-12</b>	<b>HS-16</b>	<b>HS-18</b>
		
<p>Rack of 12 hydrogen tanks Pressure at 30 bar Dimension : 750 x 990 x 1920 = 18 m3</p> <p>1kw fuel cell has autonomy: 18m3 : 0,8m3 = 22,5 hours</p>	<p>Rack of 16 hydrogen tanks Pressure at 30 bar Dimension : 990 x 990 x 1920 = 24 m3</p> <p>1kw fuel cell has autonomy: 24m3 : 0,8m3 = 30 hours</p>	<p>Rack of 18 hydrogen tanks Pressure at 30 bar Dimension 750 x 1.100 x 2.220 = 27 m3</p> <p>1kw fuel cell has autonomy: 27m3 : 0,8m3 = 33.75 hours</p>

2,5kw fuel cell has autonomy: 18m <sup>3</sup> : 2m <sup>3</sup> = 9 hours	2,5kw fuel cell has autonomy: 24m <sup>3</sup> : 2m <sup>3</sup> = 12 hours	2,5kw fuel cell has autonomy: 27m <sup>3</sup> : 2m <sup>3</sup> = 13,5 hours
5kw fuel cell has autonomy: 18m <sup>3</sup> : 4m <sup>3</sup> = 4,5 hours	5kw fuel cell has autonomy: 24m <sup>3</sup> : 4m <sup>3</sup> = 6 hours	5kw fuel cell has autonomy: 27m <sup>3</sup> : 4m <sup>3</sup> = 6,75 hours
<b>PRICE : 9.500,00 euro</b>	<b>PRICE : 11.500,00 euro</b>	<b>PRICE : 12.500,00 euro</b>

**SOLARPOWER ENERJİ ELEKTRONİK ÜRETİM A.Ş.**

Armağan evler mah. saman yolu cad. ipekçi sok. No:12 Ümraniye/İSTANBUL

Tel:0216 481 6699

Fax:0216 481 6609

[info@powersolar.com.tr](mailto:info@powersolar.com.tr)

[www.powersolar.com.tr](http://www.powersolar.com.tr)