



Characteristics of Products

No.	Item	series model unit	FDQ5			FDQ10			FDQ20		
			FDQ-2/5.0	FDQ-5/5.0	FDQ-6/5.0	FDQ-8/5.0	FDQ-10/5.0	FDQ-15/5.0	FDQ-20/5.0	FDQ-24/5.0	FDQ-30/5.0
1	H ₂ capacity	Nm ³ /h	2	5	6	8	10	15	20	24	30
2	O ₂ capacity	Nm ³ /h	1	2.5	3	4	5	7.5	10	12	15
3	H ₂ purity	% (v/v)	≥99.9	≥99.9	≥99.9	≥99.9	≥99.9	≥99.9	≥99.9	≥99.9	≥99.9
4	O ₂ purity	% (v/v)	≥99.5	≥99.5	≥99.5	≥99.5	≥99.5	≥99.5	≥99.5	≥99.5	≥99.5
5	H ₂ humidity	g/m ³ H ₂	≤4	≤4	≤4	≤4	≤4	≤4	≤4	≤4	≤4
6	Work pressure*	MPa	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
7	H ₂ & O ₂ differential pressure	mmH ₂ O	±50	±50	±50	±50	±50	±50	±50	±50	±50
8	Current	A	550	550	550	920	920	920	1670	1670	1670
9	Voltage	V	~18	~42	~50	~38	~50	~74	~54	~66	~82
10	Work temp.	°C	90	90	90	90	90	90	90	90	90
11	Power consumption (DC)	kw · h/m ³ H ₂	≤4.9	≤4.9	≤4.9	≤4.8	≤4.8	≤4.8	≤4.7	≤4.7	≤4.7
12	electrolyte	KOH%	30	30	30	30	30	30	30	30	30
13	Feed water	kg/h	2	5	6	8	10	15	20	24	30
14	Number of cells	Piece	18	42	50	38	50	74	54	66	82



No.	Item	series model unit	FDQ40			FDQ100			FDQ200						
			FDQ-40/5.0	FDQ-50/5.0	FDQ-60/5.0	FDQ-80/3.0	FDQ-100/3.0	FDQ-125/3.0	FDQ-150/3.0	FDQ-175/3.0	FDQ-200/3.0	FDQ-250/3.0	FDQ-300/3.0	FDQ-350/3.0	FDQ-400/3.0
1	H ₂ capacity	Nm ³ /h	40	50	60	80	100	125	150	175	200	250	300	350	400
2	O ₂ capacity	Nm ³ /h	20	25	30	40	50	60.5	75	87.5	100	125	150	175	200
3	H ₂ purity	% (v/v)	≥99.9	≥99.9	≥99.9	≥99.9	≥99.9	≥99.9	≥99.9	≥99.9	≥99.9	≥99.9	≥99.9	≥99.9	≥99.9
4	O ₂ purity	% (v/v)	≥99.5	≥99.5	≥99.5	≥99.5	≥99.5	≥99.5	≥99.5	≥99.5	≥99.5	≥99.5	≥99.5	≥99.5	≥99.5
5	H ₂ humidity	g/m ³ H ₂	≤4	≤4	≤4	≤4	≤4	≤4	≤4	≤4	≤4	≤4	≤4	≤4	≤4
6	Work pressure*	MPa	5.0	5.0	5.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
7	H ₂ & O ₂ differential pressure	mmH ₂ O	±50	±50	±50	±50	±50	±50	±50	±50	±50	±50	±50	±50	±50
8	Current	A	2480	2480	2480	4600	4600	4600	6600	6600	6600	6600	6600	6600	6600
9	Voltage	V	~74	~94	~110	~76	~98	~122	~102	~122	~138	~170	~206	~242	~274
10	Work temp.	°C	90	90	90	90	90	90	90	90	90	90	90	90	90
11	Power consumption (DC)	kw · h/m ³ H ₂	≤4.6	≤4.6	≤4.6	≤4.5	≤4.5	≤4.5	≤4.4	≤4.4	≤4.4	≤4.4	≤4.4	≤4.4	≤4.4
12	electrolyte	KOH%	30	30	30	30	30	30	30	30	30	30	30	30	30
13	Feed water	kg/h	40	50	60	80	100	125	150	175	200	250	300	350	400
14	Number of cells	Piece	74	94	110	78	98	122	102	122	138	170	206	242	274

*the operation pressure can be adjusted per user's requirements.