

Parameter /Model	Output performance					Fuel			Environmental Characteristics			
	Nominal power	Nominal voltage	Nominal current	DC voltage range	Efficiency	Hydrogen pressure	Hydrogen consumption	Hydrogen purity	Ambient temperature	Ambient humidity	Storage ambient temperature	Noise
	W	V	A	V		MPa	ml/min		℃		℃	dB
SZFC-10	10	6	1.67	5-9	≥50%	0.04~0.06	116.90	≥99.99% (CO<1PPM)	-5 ~ 45	10% ~ 95% (No mist)	-10~50	≤60
SZFC-20	20	12	1.67	10-19	≥50%	0.04~0.06	233.00	≥99.99% (CO<1PPM)	-5 ~ 35	10% ~ 95% (No mist)	-10~70	≤60
SZFC-30	30	6	5.00	6-10	≥50%	0.04~0.06	350.00	≥99.99% (CO<1PPM)	-5 ~ 45	10% ~ 95% (No mist)	-10~70	≤60
SZFC-60	60	13	4.60	10-19	≥50%	0.04~0.06	708.00	≥99.99% (CO<1PPM)	-5 ~ 35	10% ~ 95% (No mist)	-10~70	≤60
SZFC-100	100	12	8.33	10-17	≥50%	0.04~0.06	1,160.00	≥99.99% (CO<1PPM)	-5 ~ 35	10% ~ 95% (No mist)	-10~70	≤60
SZFC-200	200	15	13.30	13.75-23.75	≥50%	0.045~0.06	2,330.00	≥99.99% (CO<1PPM)	-5 ~ 35	10% ~ 95% (No mist)	-10~50	≤60
SZFC-300	300	12	25.00	17-32	≥50%	0.045~0.06	3,500.00	≥99.99% (CO<1PPM)	-5 ~ 35	10% ~ 95% (No mist)	-10~50	≤60
SZFC-500	500	30	16.60	19-34	≥50%	0.045~0.06	5,900.00	≥99.99% (CO<1PPM)	-5 ~ 35	10% ~ 95% (No mist)	-10~50	≤60
SZFC-600	600	24	25.00	22-36	≥50%	0.045~0.06	7,000.00	≥99.99% (CO<1PPM)	-5 ~ 35	10% ~ 95% (No mist)	-10~50	≤60
SZFC-1000	1000	36	27.80	35-54	≥50%	0.045~0.06	11,600.00	≥99.99% (CO<1PPM)	-5 ~ 35	10% ~ 95% (No mist)	-10~50	≤60
SZFC-2000	2000	25	80.00	24-40	≥50%	0.05~0.07	24,000.00	≥99.99% (CO<1PPM)	-5 ~ 35	10% ~ 95% (No mist)	-10~50	≤60
SZFC-3000	3000	48	62.50	40-72	≥50%	0.05~0.07	45,000.00	≥99.99% (CO<1PPM)	-5 ~ 35	10% ~ 95% (No mist)	-10~50	≤60
SZFC-5000	5000	66	72.70	60-110	≥50%	0.05~0.08	58,300.00	≥99.99% (CO<1PPM)	-5 ~ 35	10% ~ 95% (No mist)	-10~50	≤60
SZFC-6000	6000	72	83.30	60-110	≥50%	0.05~0.08	70,000.00	≥99.99% (CO<1PPM)	-5 ~ 35	10% ~ 95% (No mist)	-10~50	≤60

Operating Instructions for Hydrogen Fuel Cell Stack

1. Pipe Connection: Connect the hydrogen → relief valve → hydrogen inlet of the fuel cell stack.
2. Start: 1) Gradually adjust the hydrogen relief valve. Adjust to specified hydrogen pressure ranges.
② 2) Turn on the hydrogen intake reactor to operate automatically.
③ 3) When the hydrogen is introduced into the fuel cell, the fuel cell starts to operate and the fan starts to rotate. Please do not load any load when the fuel cell starts.
3. Upon the starting of the fuel cell, the load may be gradually increased within the rated power range as required, but cannot be immediately added to the rated power. The fuel cell has an over-current condition. The control alarm shows that the stack voltage may run the normally at DC voltage range.
4. Close the hydrogen fuel cell. When preparing to close the fuel cell, please confirm that the load has been closed, then close the hydrogen valve. After the closing of the hydrogen valve, the fan will continue to operate for several minutes until the hydrogen in the cell is exhausted.

Precautions

1. When the fuel cell is running, ensure the hydrogen pressure in the fuel cell is between Corresponding hydrogen input pressure range, and make sure at the same time there is sufficient hydrogen flow. If the hydrogen pressure in the hydrogen supply system is too high or too low, or the hydrogen flow is insufficient, the fuel cell will be damaged.
2. Make sure the hydrogen inlet is on top and the outlet is downward to keep a smooth drainage (Otherwise the battery will be damaged).
3. Be sure to start the fuel cell first and then load it.
4. You would better use a Ziploc Bag to storage it after use.

Affirmation and Warning

1. Before you work with the fuel cell stack, please read through the Manual and keep it at hand during the operation.
2. Follow the instructions which listed in the Manual.
3. Disassembling or refitting the hydrogen fuel cell stack is prohibited. Any modification to the fuel cell stack will pose a major hidden safety danger. SENZA. is not liable for any damage caused by unauthorized modification.
4. Hydrogen fuel cell stack needs to consume the oxygen during the operation. To prevent anoxia, it may only be operated in a well-ventilated environment.
5. Since the hydrogen is colorless and odorless flammable gas, smoking is strictly prohibited near the fuel cell stack, and the fuel cell stack shall be kept away from the fire and heat sources.
6. Make sure the fuel cell stack is kept away from the children.