



World's first TÜV Rheinland IEC safety certification

These fuel cells are compact, highly energetically dense with a low H₂ consumption rate, and strongly reliable.

Applications: innovative applications such as FC bikes, small yachts and last mile vehicles, drones...

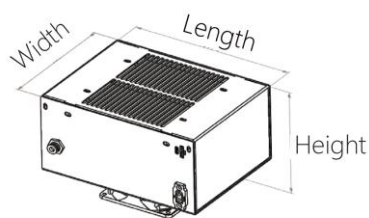
Specification

Hydrogen purity	≥99,99% (CO < 1PPM)
Hydrogen pressure	0,07 MPa ± 0,02
Operating ambient temperature	-5°C – 42°C (can be extended to -40°C - 55°C by adding customized thermal management modules)
Working environment humidity	10% - 95% RH
Noise	≤50 dB @3m (noise level may vary slightly according to actual operating conditions)
External voltage	Type C 5V or CAN 12V (for startup only)
Power to weight ratio	800 W/kg
Volume power density	500 W/L
Start-up speed	1,8 seg
Lifespan	3.000 h
Maximum bare stack power density	1.200 W/kg

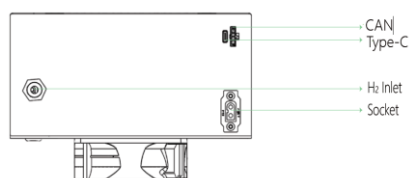
Product configuration

Rated Power (W)	Fuel Cell Type	Pieces	Weight in kg (approx.)	L*W*H in mm (approx.)	Open Circuit (V)	Minimum Voltage (V)	Rated Voltage (V)	Rated Current (A)	H2 Consumption Rate (NL/min)	Power Connector
590	Stack	55	1,44	177,2 * 148 * 49,6	55	30	33	17,9	7,3	-
500	System	55	2,7	250 * 152 * 140	55	30	33	15,2	6,2	XT60E-F
1130	Stack	52	1,37	164,4 * 148 * 69	52	29	31	36,2	14	-
1000	System	52	2,83	238 * 152 * 141	52	29	31	32,1	12,4	XT90E-F
1630	Stack	75	1,85	222,2 * 148 * 69	75	41	45	36,2	20,2	-
1500	System	75	3,35	295 * 152 * 160	75	41	45	33,3	18,6	XT90E-F
2300	Stack	60	2,6	184,5 * 235 * 70	60	33	36	63,9	28,5	-
2000	System	60	4,3	270 * 240 * 160	60	33	36	55,6	24,8	XT90-F
3390	Stack	88	3,24	254,8 * 235 * 70	88	48	53	64,2	42	-
3000	System	88	5,1	340 * 240 * 160	88	48	53	56,8	37,2	QS8P-S
4500	Stack	88	4,39	254,4 * 290,5 * 74,2	88	48	53	85,2	55,8	-
4000	System	88	6,84	340 * 295 * 144,5	88	48	53	75,8	49,6	QS8P-S

Other information



3D dimension



H2 Tube	PU6mm
Communication	CAN
Power Supply	12V / Type C 5V

