



More power
to move you

Hydrogen Fuel Cell Modules

with eFlow™ powered stacks

Solutions for Industrial & Commercial Applications



- Powered by eFlow™ stacks: industry's most advanced fuel cell architecture
- Lowest cost of ownership enabled by our leading fuel efficiency
- Unmatched peak power capabilities in a small footprint
- Highly uniform power density across each plate's entire active area
- Versatility either as a ready-to-use solution for quick deployment, or a custom solution for integration into any vehicle architecture
- Suitable for a wide range of operating challenges including weather and terrain



Specifications of Selected Products

	S300	T505	T600
Typical Applications	Urban Delivery, Materials Handling & Small-to-Medium Construction Equipment	Transit Buses, Terminal Tractors & Medium Duty Vehicles	
Net Continuous Power	30 kW	50 kW	60 kW
Estimated Cruise Mode* Fuel Consumption	<0.78 kg/hr	<1.39 kg/hr	<1.61 kg/hr
Net Cruise Mode* Operating Efficiency	58%	54%	56%
Length	719 mm	939 mm	790 mm
Width	457 mm	511 mm	500 mm–655 mm
Height	450 mm	545 mm	545 mm
Weight	93 kg	135 kg	146 kg
Standard Volume	148 L	262 L	230 L
Minimum Custom Packaging Volume**	106 L	128 L	130 L
Ingress Protection	IP 55 (Standard), IP 67 (Optional)		IP 67 (Standard)
Output Voltage Range	115 VDC–235 VDC	180 VDC–360 VDC	204 VDC–407 VDC
Maximum Current	300 A	350 A	350 A
Hydrogen Fuel Supply Pressure	8.5 bara	8.5 bara	10.5 bara
Power Supply Voltage	12 or 24 VDC		
Control Interface	CAN Bus V2.0B		
Hydrogen Fuel	SAE J2719 or ISO 14687 (Grade D)		
Oxidant	Ambient air		
Minimum Coolant Temperature	+2°C		
Maximum Coolant Temperature	+80°C		
Ambient Operating Temperature Range	-30°C to +50°C		
Storage Temperature Range	-40°C to +85°C		
Emissions	Zero Emission Compliant		
Vibration & Mounting Requirements	MIL-STD 810 - No special damping requirements - Direct mounting to vehicle chassis permitted		
Safety Compliance	ISO 6469-2, ISO 6469-3, ISO 23273		
Certification Compliance	All products are compliant for use in the European and Chinese market Certain products are certified for GB Standards in the Chinese market		
Export DC-DC	Integrate with Loop's High Voltage (HV) DC-DC or an approved compatible system Side mounting option with T600		
Cooling System	Integrate with Loop's cooling system or an approved compatible system		
Air Filters	Integrate with Loop's air filters or an approved compatible system		

* Cruise Mode defined as operating power equal to 50% of rated continuous net power

All specifications are subject to change without notice

** Component volume excludes the enclosure, hoses and cables

NORTH AMERICA **Loop Energy Inc.**

2880 Production Way
Burnaby, BC V5A 4T6
Canada

+1 855 222 1534 toll free
+1 604 222 3400

CHINA **Loop Energy Technologies** **(Shanghai) Co., Ltd.**

No.1388, Xindian Road
Jiading Industrial Zone
Shanghai, China

+86 152 2114 6867 phone/wechat

EUROPE **Loop Energy**

Via Campo dei Fiori, 17
21047 Saronno VA
Italy

+39 02 8457 3048

Visit us at
www.loopenergy.com

Email us at
solutions@loopenergy.com