



More power  
to move you

# Hydrogen Fuel Cell Systems

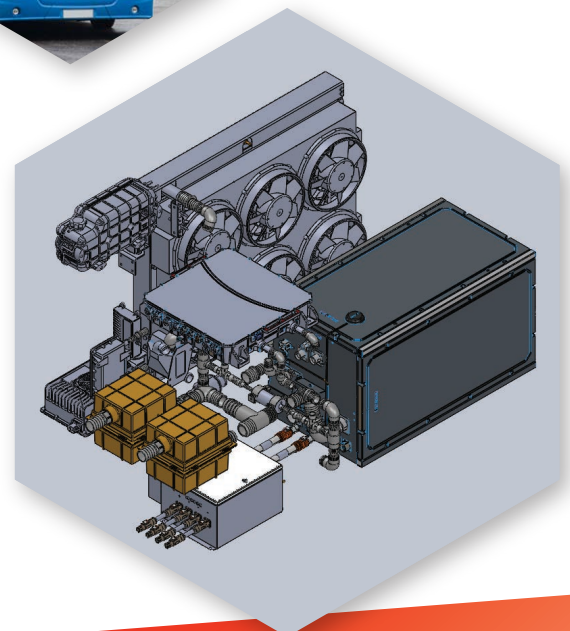
with **eFlow™** powered stacks

**Designed for power,  
fuel efficiency  
& durability**



## All the benefits of Loop Energy fuel cell modules, plus:

- Industry leading fuel efficiency & peak power performance powered by Loop Energy's proprietary eFlow™ PEM fuel cell stacks
- Up to 30% boost to total energy for the vehicle via a fully integrated cooling and heat-exchanger system
- Lowest vehicle cost of ownership through utilization of both electrical and thermal energy generated by our fuel cell
- Optimized operation and seamless integration based on factory configured Loop fuel cell module controller
- Perfect fit with the vehicle architecture through custom system packaging and radiator form-factor



## Specifications of Selected Products

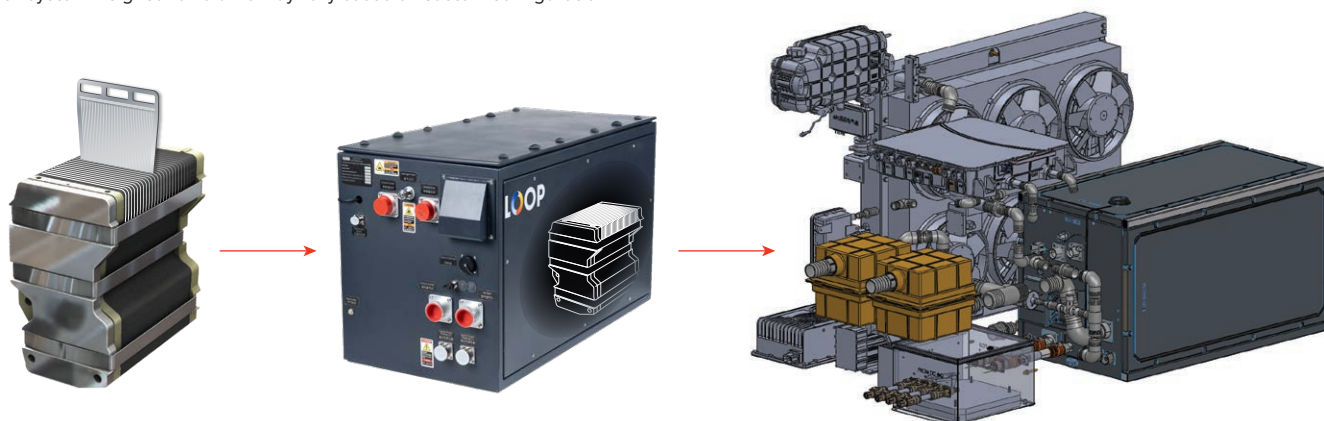
A Loop Energy complete system includes a fuel cell module (FCM), a DC-DC converter and a cooling system, containing a radiator, pump, control valve and an optional heat exchanger for cabin air heating.

	S300-S	T505-S	T600-S
System Features	<ul style="list-style-type: none"> <li>The core of this system includes a Loop fuel cell module with the industry's most advanced fuel cell architecture</li> <li>DC-DC is included with a pre-charge circuit and internally fused</li> <li>Increased efficiency of up to 30% in cold weather with cabin air heating</li> <li>Cooling system capable for cold starts of down to -30°C</li> </ul>		
Typical Applications	Urban Delivery, Materials Handling & Small-to-Medium Construction Equipment	Transit Buses, Terminal Tractors & Medium Duty Vehicles	
Net Continuous Power*	28 kW	48 kW	59 kW
Combined Heat and Power (CHP) Output	36 kW	62 kW	76 kW
Total System (CHP) Efficiency	56%	55%	66%
Weight**	274 kg	381 kg	392 kg
Minimum Custom Packaging Volume**	497 L	746 L	714 L
Output Voltage Range	370 VDC–450 VDC, or 500 VDC–700 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		
Coolant Type	BASF Glysantin FC G 20		
Ambient Operating Temperature Range	-30°C to +50°C		
Storage Temperature Range	-40°C to +85°C		

\* Excludes radiator parasitic

All specifications are subject to change without notice

\*\* Weight includes all system components, cables, and hoses  
Overall system weight and volume may vary based on custom configuration



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