

EMP's popular electric fan now offers high-voltage in a larger format. The FIC-31HV fan runs on a range of 500 – 850V and 25 kw of power, can be CAN controlled with variable speed, and are diagnostics capable.



APPLICATIONS

Fuel Cell	IC Engines
Traction Motor	HVAC
Hybrid Battery Pack	Electronics
Hydraulic	

FEATURES

- 500 - 850 VDC
- Galvanic isolation between LV & HV
- Integrated BLDC motor controller
- Eliminates high-amp DC/DC Converters
- Simplifies Vehicle Architecture

FAN SPECS

Airflow	19,200 CFM @ 4.1" H ₂ O
Max Fan Speed	250 – 3,100 RPM
Overall Weight	83lbs.
Operating Temperatures	-40° to 80° C
Storage Temperatures	-50° to 125° C
Sealing Rating	IP6K9K
Fan Life	20,000+ hours

CONTROLLER SPECS

Control Input	SAE J1939-11 Autobaud CAN
LV Range	9 - 32 VDC
HV Range	500 - 850 VDC
LV Connection	TE 5ATM 12 Pin
HV Connection	TE HVA HD400 w/HVIL
LV Current	200 mA @ 24 V 203° F
HV Current	42.5 AMP Maximum

CONTACT US ABOUT YOUR HIGH VOLTAGE APPLICATIONS