

EMP's popular 15" electric fan now offers high-voltage. These fans run on a range of 450 – 850V and 1.5 – 3kw of power, can be CAN controlled with variable speed, and are diagnostics capable. It's power distribution module also allows for a "plug and play" single point connection when integrated as a multi-fan system solution.



APPLICATIONS

Fuel Cell	EGR
Traction Motor	CAC
Hybrid Battery Pack	Electronics
Hydraulic	HVAC

FEATURES

- 450 - 850 VDC
- Galvanic isolation between LV & HV
- Integrated BLDC motor controller
- Eliminates high-amp DC/DC Converters
- Simplifies Vehicle Architecture

FAN SPECS

Airflow	5,000 m ³ /hr @ 375 Pa
Max Fan Speed	500 – 4,350 RPM
Overall Weight	19lbs
Operating Temperatures	-40° to 95° C
Storage Temperatures	-50° to 125° C
Sealing Rating	IP6K9K
Fan Life	40,000+ hours

CONTROLLER SPECS

Control Input	SAE J1939-11 Autobaud CAN
LV Range	9 - 32 VDC
HV Range	450 - 850 VDC
LV Connection	TE 5ATM 12 Pin w/ bonding wire
HV Connection	TE HV280A w/HVIL
LV Current	200 mA @ 24 V 203° F
HV Current	5 AMP Maximum

CONTACT US ABOUT YOUR HIGH VOLTAGE APPLICATIONS