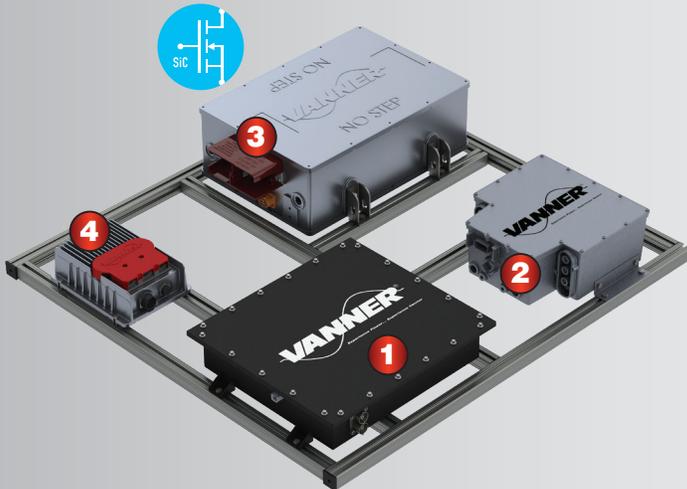


# VANNER'S IAP2™ OVERVIEW

CONFIGURED AS AN EASY TO SERVICE AIR-COOLED OR LIQUID-COOLED SYSTEM

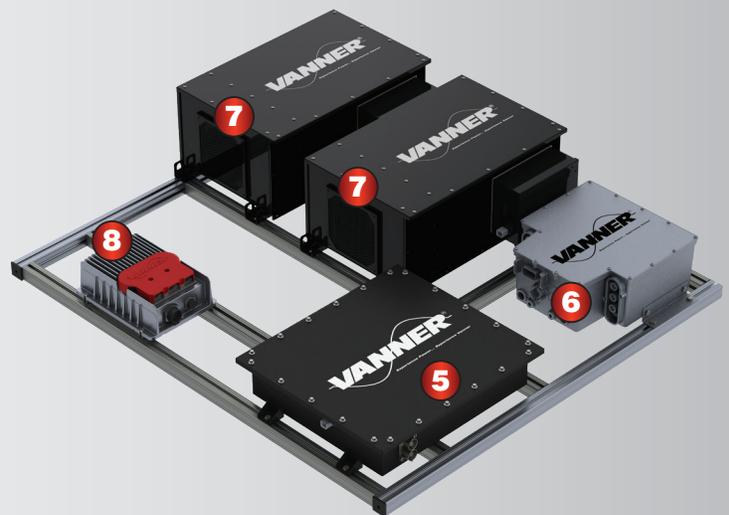
## LIQUID-COOLED HYBRID BELTLESS ALTERNATOR (LCHBA)



- 1 High Voltage Distribution Module (HVDM)** Connects eGen Flex to all electrical accessories. Microprocessor controlled.
- 2 Vanner Exportable Power Inverter (VEPI)** Converts 600Vdc to 230Vac 3-Phase for electric A/C and air compressor. 300A rating.
- 3 Liquid-Cooled Hybrid Beltless Alternator** Converts 600Vdc to 28Vdc. Single @ 600A. Silicon Carbide (SiC) solid-state devices with highest efficiency. Dynamic Charging when used with 80-Series Equalizer.
- 4 80-Series Equalizer** As well as all the benefits of a Vanner Equalizer, this broadcasts State-of-Charge and State-of-Health of the 12/24V batteries so the LCHBA(s) automatically adjust its voltage outputs to optimize battery charging.

## AIR-COOLED HYBRID BELTLESS ALTERNATOR (HBA)

- 5 High Voltage Distribution Module (HVDM)** Connects eGen Flex to all electrical accessories. Microprocessor controlled.
- 6 Vanner Exportable Power Inverter (VEPI)** Converts 600Vdc to 230Vac 3-phase for electric A/C and air compressor. 300A rating.
- 7 Air-Cooled Hybrid Beltless Alternator (HBA)** Converts 600Vdc to 28Vdc. Air-cooled. Single @ 300As. Dual @ 600A. High solid-state efficiencies. Dynamic Charging when used with 80-Series Equalizer.
- 8 80-Series Equalizer** As well as all the benefits of a Vanner Equalizer, this broadcasts State-of-Charge and State-of-Health of the 12/24V batteries so the HBA(s) automatically adjust their voltage outputs to optimize battery charging.



### ABOUT VANNER

Vanner has been recognized as an accessory electrification and power management leader in the bus and coach industry for more than 40 years. We commercialized accessory electrification with the legendary Hybrid Beltless Alternator for hybrids, battery and fuel cell buses, and coaches as well as our Increased Accessory Power2 (IAP2) for total accessory electrification system for the Allison H 40/50 EP Hybrid and eGen Flex hybrids.

To learn more, call 800-AC-Power (800-227-6937) or visit [vanner.com](http://vanner.com)

Product designs and specifications described in this literature are subject to change without notice.  
Vanner 4282 Reynolds Drive, Hilliard, OH 43026

**VANNER**  
EXPERIENCE POWER... EXPERIENCE VANNER.