Go Beltless



This year's fashions are in and all point to beltless. Throw those heavy, bulky accessory belts and energy *in-*efficient alternators away. Then slip into something more environmentally elegant like the Vanner Hybrid Beltless Alternator.

Vanner's HBA[®] is the sustainable, energy efficient alternative to traditional mechanical-drive alternator systems that reduces maintenance, fuel consumption and emissions.

Vanner HBA[®]s deliver up to 300 amps at idle (24 VDC) and up to 600 amps at idle with a Dual HBA[®] configuration in a rugged, maintenance-free, air-cooled design. Add Vanner's Model Based Battery Monitoring (MBBM[®]) technology for dynamic voltage regulation.

Built for the Hybrid bus the HBA[®] also offers a solid state DC conversion solution for electric, fuel cell and battery buses with EBA[®] models.

Make your hybrid bus fleet the envy of the busway with a Vanner HBA[®].







Spec. (250A Shown)

DC Output Voltage DC Output Amperage DC Input Voltage

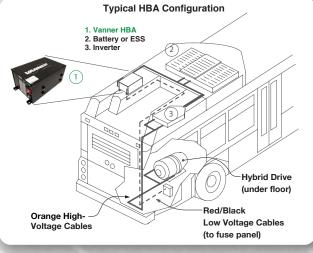
DC Input Amperage Ripple Storage Temperature Operating Temperature

Communication / Controls Environmental Standards Radiated Emission Standards Dimensions

Weight

28VDC +/- 2% 250A @ Curb idle 500 VDC Minimum 550 VDC Full Output Power 624 VDC Nominal 780 VDC Maximum 15A Maximum 100MV RMS -40C to 105C -40C to 80C -40C to55C @ full load SAE J-1939 SAE J-1455 SAEJ1113-41 25H x 62.3D x 43.2W cm (9.86H x 24.53D x 17.0W in) 34kg (75 lbs.)

Tech.





Vanner Incorporated is a TS 16949 / ISO 9001 Certified Company Celebrating 35 Years of Electrical Power Design Excellence www.vanner.com - 4282 Reynolds Dr, Hilliard, OH 43026 USA - (800) 227-6937 (614) 771-2718