

SAFE & RELIABLE

Preventable faults take away from guest's immersive experience and ride downtime caused by mechanical error or failure dramatically affects the bottom line and reputation of today's leading amusement parks. VAHLE's engineered solutions provide your applications with the power they require without compromising on quality or safety standards. Our enclosed and unipole conductor bars feature a compact, touch-safe construction while offering repeatable performance in the conditions required by today's attractions. Our vPOS and vCOM solutions feature proven designs used in today's demanding applications. Within every VAHLE solution you will find over 100 years of innovation, passion and quality you can depend on.

YOUR VISION.
OUR SOLUTION.

vCONDUCTOR

PROVEN. SAFE. RELIABLE. ELECTRIFICATION.

CONDUCTOR BAR

Within every section of VAHLE conductor bar is over 100 years of engineering expertise and innovation. Over the last century, VAHLE has positioned itself as a global leader for safe and reliable electrification with conductor bar solutions ranging from 100-1250 amps and charging contacts providing versatile power solutions for a wide array of applications.



ENCLOSED KEY FEATURES

- Up to 8 conductors internally
- Compact, touch-safe* multi-pole design
- Specialty sections & accessories available
- Up to 600 volts & 200 amps available
- · Curve sections available



UNIPOLE KEY FEATURES

- Any number of conductors as required
- Copper, steel and aluminum conductor material
- Compact, touch-safe* single pole construction
- Up to 1000 volts & 1250 amps available
- · Curve sections available

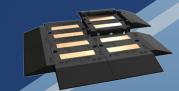


vCHARGE

ADAPTABLE CONTACTS FOR ANY APPLICATION

CHARGING CONTACTS

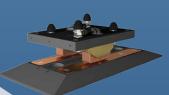
The development of powerful batteries, which allow for quick recharge within seconds, enables the integration of charging contacts into amusement applications without removing transport vehicles from the ride track. VAHLE has developed special battery charging contacts which fully meet any standard requirements or can be customized for your application.



KEY FEATURES

- Large variety of standard configurations
- 20-600A
- 12-80 V⁽¹⁾
- Custom color & shape possible(1)



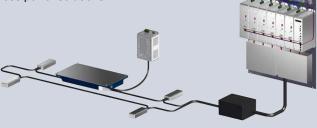


vPOWER

CONTACTLESS POWER FOR CUSTOM APPLICATIONS

CONTACTLESS POWER SUPPLY

vPower is the next generation of contactless power supply developed by VAHLE. Utilizing a frequency of 140kHz and silicon carbide semiconductors, vPower offers a smaller size, lower cost and increased power density compared to standard contactless power solutions.



KEY FEATURES

- Wide range of pick up units to meet your power requirements
- No-wear components
- No limit on travel speed or acceleration





- · High data rates

KEY FEATURES

- Data transfers of up to 100 Mbps
- · Bi-directional communication
- · Ethernet and other interfaces available
- Supports system lengths of up to 1km



COMMON APPLICATIONS FOR VCOM

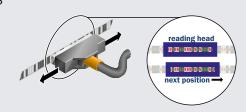
- · Dark rides
- · Rides with video integrations
- Roller Coasters

vPOS

ENHANCED CONTROL WITH POSITIONING ACCURACY OF +/- 1MM

ABSOLUTE POSITIONING SYSTEM

Faster. Smarter. More Efficient. The amusement industry is evolving. Are you keeping up? Around the globe, companies are partnering with VAHLE to provide intelligent solutions to their processes, such as VAHLE's absolute positioning systems (APOS). Utilizing a standard or optical reading head paired with magnetic code strip or QR code tape, VAHLE's APOS systems provide real time positioning of ride vehicles as they travel the ride track with accuracy up to +/- 1mm.



Every VAHLE APOS system is available as a stand alone solution or seamlessly integrated with conductor bar and data communication systems.

KEY FEATURES

- 3 types available Magnetic, Optic & Contactless
- · Curves possible
- Travel speeds up to 12 m/s
- Position determination down to +/- 1 mm
- Dual camera design (Optic)



ARTICLE STREET, STREET,



THE VAHLE DIFFERENCE

- Safe & reliable products with proven excellence for over 100 years
- · World-leading technology and expertise
- Exceptional customer service from knowledgeable associates
- Complete and integrable solutions for power, data communication, and positioning





VAHLE, Inc. 407 Cane Island Parkway Katy, Texas 77494

Tel: 713-465-9796 Email: salesinbox@vahleinc.com

www.vahleinc.com

VAHLE