

# DS12ZeMa214



*Maintenance free TPPL AGM Technology  
for Rolling Stock Applications  
Engine Starting*



*Resistant to  
abusive discharges*

*Superior cold  
cranking performance*

*Shock resistant*

*Superb charge acceptance*

*Excellent cyclic capability*



*Keeping you on track*

# Hawker® ZeMaRail™ DS12ZeMa214

Technical Data	
Technology	*TPPL / *AGM / *VRLA
Nominal Voltage	12 V
Charging Voltage	14.4 V @ 20 °C
Float Voltage	13.74 V @ 20 °C
Nominal Capacity C <sub>20</sub>	214 Ah
Nominal Capacity C <sub>10</sub>	190 Ah
CCA (EN)	1300 A
Internal Resistance	3,3 mΩ
Operating Temperature range	-40 °C to +50 °C
Short Circuit Current	3800A
Weight	60 kg
Storage	60 Months**
Storage at 25°C without recharge	24 Months
Terminals	M10 Stud (9.0Nm)
Service life	3 to 10 Years
Flame retardancy class	UL94 V-0

\*TPPL: Thin Plate Pure Lead

\*AGM: Absorbed Glass Mat

\*VRLA: Valve Regulated Lead Acid

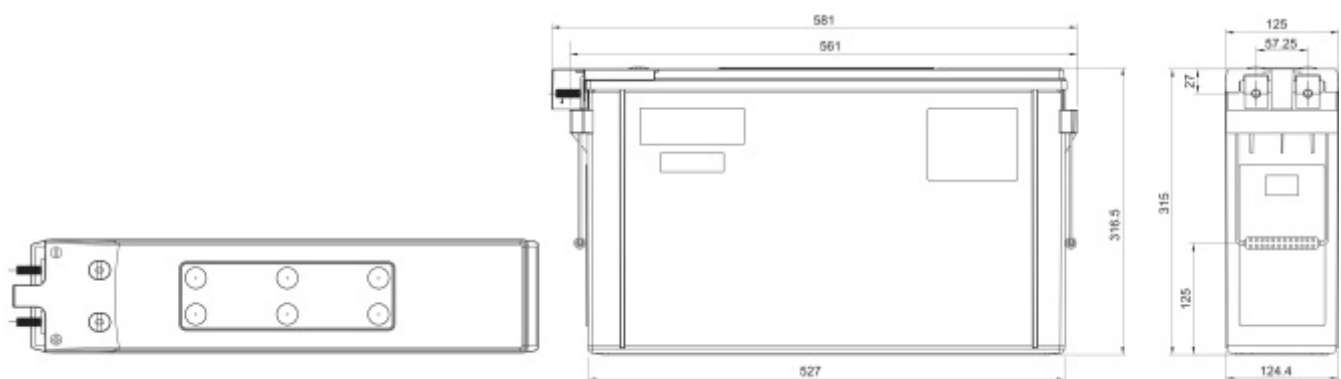
\*\*Refresh charge required when OCV is less than 2.10Vpc

**ZeMaRail** Diesel Starting batteries combine excellent starting power with exceptional deep cyclic capability.

EnerSys® TPPL technology with 99.99% purity lead-tin plates and highly compressed AGM separators delivers superior cranking power and deep cyclic characteristics of 400 cycles to 80% DOD.

The internal elements are specifically designed to withstand extreme levels of shock and vibration ensuring reliability and long life in demanding applications.

The ZeMaRail Diesel Starter battery is designed with quality in mind to boost your energy, when you need it the most.



Hawker\_ZeMaRail\_DS12ZeMa214\_Brochure\_01\_EN\_2015-09-V1 Subject to revisions without prior notice.



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