

## Zero Emission Locomotive Offerings

Spec / Model	IS4-1200	IS4-2000	IS6-2300
Max speed *	15	15	65
Typical Conversion Platform	GP-9	GP-9	SD
Gear Ratio	62:15	62:15	62:15
Crashworthy cab	Yes	Yes	Yes
Cabstand style	AAR Standard	AAR Standard	AAR Standard
Number of axles	4	4	6
Dispatch TE	80,000 lb	80,000 lb	120,000 lb
Continuous TE	60,000 lb	60,000 lb	90,000 lb
Continuous Tractive Horsepower	1900	1900	2900
Traction Motors	D78	D78	D78
Weight	280,000lbs	280,000lbs	360,000 lbs
Battery Capacity	1.2MWH	2 MWH	2.3 MWH
Charge Type **	Cable Plug in	Cable Plugin	Cable Plugin
Charge Rate***	100-350KW	100-350KW	100-350KW
Brake System	CCB26	CCB26	CCB26
Datalogging	Wi-Tronix	Wi-Tronix	Wi-Tronix
Air Compressor @ Idle	Min 170cfm @ 150psi	Min 170cfm @ 150psi	Min 170cfm @ 150psi
Air Dryer	Yes	Yes	Yes
Cab HVAC	Yes	Yes	Yes
MU Capability	Yes, with AMPS Traction or conventional diesel locomotives	Yes, with AMPS Traction or conventional diesel locomotives	Yes, with AMPS Traction or conventional diesel locomotives

\* Max restricted speed based on typical site requirements; higher speeds available upon request. 70mph-DIT

\*\* No overhead pantograph equipment required, but available upon request.

\*\*\* Higher power charging available upon request.