

eNow Rayfrigeration™ Electric TRU Systems

1 eNow Battery Power System

Battery Pack	
Type:	Lithium-ion
Capacity:	107 kW/h (86 kW/h useable)
Maximum Battery Charging Power:	Up to 23 kW (varies due to multiple factors)
Ambient Operating Temp Range:	-40C to +60C
Operating Run Time:	8 to 12 hours (determined by various factors including but not limited to ambient temperature, eTRU set point, available solar energy, thermal losses, etc.)

Solar Charging	
Solar Array:	5.8 kW total, 14 individual solar modules (for 53-ft trailer roof)
Modules:	420 watts, .125 thick, flexible, adhesive back permanent mounting, ETFE film coating
Charge controllers:	Maximum Power Point Tracking (MPPT)

Inverter	
AC Output	480 VAC 3-Phase output
	Sine wave filtered with THD less than 5% at full continuous load
	17.5kVA continuous power

Monitoring Systems	
CANBus-based Telemetry System:	Provides detailed information on system operation; includes touch-screen diagnostic/monitoring system
Integrated thermal management system:	Enables operation across wide ambient temperature range
Programmable features:	eTRU start-of-operation for preconditioning trailer ahead of loading

Compliance and Safety	
SAE, IEC, ISO	SAE J1455 Others TBD
Component installation rating	IP67

Technical Specifications

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2 Customer-Specified Trailer

Weight	
Overall Trailer Weight:	TBD (based on customer-specified trailer OEM (Great Dane, Hyundai, Utility, Vanguard or Wabash National), performance features and design options)
Weight Variance Provision: Vehicles primarily operated by electric battery-powered engines may exceed weight limit on power unit by up to 2,000 lbs. (up to max. gross vehicle weight of 82,000 lbs.). As outlined in FHWA-DOT guidance. Information: Fixing America's Surface Transportation Act (FAST Act) Truck Size and Weight Provisions	

3 Refrigeration Unit

Reefer Unit	
Electric Only: Carrier Vector™ 8100, single-temp	Weight 1,150 lb. Click to view specs
Hybrid Option: Carrier Vector™ 8500, electric with diesel genset back up, single-temp	Weight 1,875 lb. including fuel tank Click to view specs
Hybrid Option: Carrier Vector™ 8600MT, electric with diesel genset back up, multi-temp	Weight 1,885 lb. including fuel tank Click to view specs

4 eTRU Charging Infrastructure

Shorepower Charging Infrastructure	Level 2/3
Power:	480V 3-Phase via corded connectors
Construction:	Wall-mount or pedestal design; powder-coated stainless steel
Breakaway design:	Reduces impact of accidental drive-off

