

**Model Profile**  
**2020 GreenPower Synapse 72 School Bus**

**APPLICATION:** School Transportation

**DIMENSION:** Wheelbase: 208.70"

**Electric Motor:** **Prestolite MD110B** permanent magnet synchronous motor with cooling system, with retarder function. Base Horse Power: 150 horse power(110KW) continuous run, 333 horse power(245kw) max. 194 horse power(145kw) max 30 min.

**BATTERY:** 576V/288AH, **165.9kWh** with 8 packs+1 pack, Lithium iron phosphate battery with Battery Management System (BMS)

**AXLE, FRONT NON-DRIVING:** Front disc brake axle, rated loading 14330-lb with disc brake

**AXLE, REAR:** Rear disc brake axle, rated loading 24250-lb with disc brake

**TIRE, FRONT:** (2) 295/80R22.5 tubeless radial tire

**TIRE, REAR:** (4) 295/80R22.5 tubeless radial tire

**RIM:** {Alcoa} Aluminum alloy rim, Dual bright with spare tire and rim

**SUSPENSION, REAR, AIR:** Air suspension air below

**BRAKE:** Service brake: Pneumatic dual circuit full air brake, Parking brake: storage energy spring braking, acting on rear axle. WABCO brand of all components for braking system

**PAINT:** AXALTA N5898 EF School bus yellow

**LENGTH:** 36.5ft

**CAPACITY:** 72

**Vehicle Specifications**  
 2020 GreenPower Synapse  
 72 School Bus

Code	Description
CV-SSB-19-CB-001	Base Chassis, Wheelbase: 208.70"
CV-SSB-19-CB-002	BUMPER, Chassis Integrated Bumpers
CV-SSB-19-CB-003	BATTERY, 576V/288AH, 165.9kWh with 8 packs+1 pack, Lithium iron phosphate battery with Battery Management System (BMS)
CV-SSB-19-CB-004	AXLE, FRONT NON-DRIVING: Front Disc Brake Axle, Rated Loading 14330-lb with Disc Brake
CV-SSB-19-CB-005	SUSPENSION, FRONT, Air Suspension
CV-SSB-19-CB-006	BRAKE, Service Brake: Pneumatic Dual Circuit Full Air Brake, Parking brake: Storage Energy Spring Braking, Acting on Rear Axle. WABCO Brand of All Components for Braking System
CV-SSB-19-CB-007	BRAKE, Pneumatic Disc Brakes, Front and Rear Axles, with ABS
CV-SSB-19-CB-008	BRAKE, Regenerative Braking
CV-SSB-19-CB-009	Manual Air Drains for All Five Air Tanks- Full Drain for Brake Check
CV-SSB-19-CB-010	Dual Air Gauges for Performing Required Daily CHP Full Drain Air Brake Test
CV-SSB-19-CB-011	3-IN-1 UNIT, Control Unit, DC/AC Convertor, High Voltage Distribution System
CV-SSB-19-CB-012	CHASSIS, 1130300226,Water Hose (Without Insulation Pipe)
CV-SSB-19-CB-013	CHASSIS, 1290100003,Rubber Cushion
CV-SSB-19-CB-014	CHASSIS, 1340600300,Steering Oil Inlet Pipe Assembly
CV-SSB-19-CB-015	CHASSIS, 1340600321,Steering Return Pipe Assembly
CV-SSB-19-CB-016	CHASSIS, 1930460010,Acceleration/Brake Pedal Pad
CV-SSB-19-CB-017	CHASSIS, 2110800347,Electronic Accelerator Pedal
CV-SSB-19-CB-018	CHASSIS, 2130200004,Support Cushion On The Water Tank
CV-SSB-19-CB-019	CHASSIS, 2130700008,Water Pump (Drive Motor Cooling)
CV-SSB-19-CB-020	CHASSIS, 2131100026,Plastic Expansion Tank For Electric Vehicles
CV-SSB-19-CB-021	CHASSIS, 2131300052,Electronic Fan
CV-SSB-19-CB-023	CHASSIS, 2290100006,Vibration Proof Rubber Mat
CV-SSB-19-CB-024	CHASSIS, 2310200122,Front Wheel Sleeve Nut
CV-SSB-19-CB-025	CHASSIS, 2310200123,Rear Wheel Sleeve Nut
CV-SSB-19-CB-026	CHASSIS, 2310500006,Chassis Spare Tire Lifter
CV-SSB-19-CB-027	CHASSIS, 2340810023,Power Steering Oil Tank Assembly
CV-SSB-19-CB-028	CHASSIS, 2341500005,Angular Actuator
CV-SSB-19-CB-029	CHASSIS, 2350000007,Silencer - Wabco
CV-SSB-19-CB-030	CHASSIS, 2350500016,Brake Master Cylinder
CV-SSB-19-CB-031	CHASSIS, 2351400005,Pressure Limiting Valve
CV-SSB-19-CB-032	CHASSIS, 2351800009,Relay Valve
CV-SSB-19-CB-033	CHASSIS, 2351800014,Differential Relay Valve
CV-SSB-19-CB-034	CHASSIS, 2352000001,Pneumatic Signal Light Switch - Yx
CV-SSB-19-CB-035	CHASSIS, 2352600011,Manual Valve
CV-SSB-19-CB-036	CHASSIS, 2355000019,Wabco ABS

CV-SSB-19-CB-037	CHASSIS, 2355500031,Condenser
CV-SSB-19-CB-038	CHASSIS, 2355500057,Air Dryer
CV-SSB-19-CB-039	CHASSIS, 2356100104,Brake Hose
CV-SSB-19-CB-041	CHASSIS, 2357300014,Four Circuit Protection Valve
CV-SSB-19-CB-042	CHASSIS, 2360000083,Electronic Gear Switch
CV-SSB-19-CB-043	CHASSIS, 2370000701,3kW Air Compressor
CV-SSB-19-CB-044	CHASSIS, 2370000734,Double Source Electric Pump
CV-SSB-19-CB-045	CHASSIS, 2370000736,24V Controller
CV-SSB-19-CB-046	CHASSIS, 2371100192,Electrical Control Box
CV-SSB-19-CB-047	CHASSIS, 2372101010,Electric Horn
CV-SSB-19-CB-048	CHASSIS, 2373500003,Ordinary Relay (24V/5 Foot 2914)
CV-SSB-19-CB-049	CHASSIS, 2373510003,Wiper Relay
CV-SSB-19-CB-050	CHASSIS, 2373610084,Manual Power Main Switch A (Left Exit)
CV-SSB-19-CB-051	CHASSIS, 2379900004,Brake Switch
CV-SSB-19-CB-052	CHASSIS, 2381900018,Reversing Buzzer (Amp Plug-In 282044-1 (M)) - Yx
CV-SSB-19-CB-053	CHASSIS, 2387500018,Air Pressure Sensor (Small Housing Stainless Steel)
CV-SSB-19-CB-054	CHASSIS, 2391000200,Automatic Fire Extinguisher 3/Set (With Manual Push Button Switch, Start Feedback Device)
CV-SSB-19-CB-055	CHASSIS, 2406200001,Copper Preparation Line
CV-SSB-19-CB-062	CHASSIS, 2425000012, Centralized Lubrication
CV-SSB-19-CB-063	CHASSIS, 2810126004,Water Hose
CV-SSB-19-CB-064	CHASSIS, 2810142359,Water Hose
CV-SSB-19-CB-065	CHASSIS, 3050300004,Oil Resistant Hose*
CV-SSB-19-CB-068	CHASSIS, 5100002805,Front Suspension Left Bracket
CV-SSB-19-CB-069	CHASSIS, 5100002806,Front Suspension Right Bracket
CV-SSB-19-CB-070	CHASSIS, 5120000099,Gasket
CV-SSB-19-CB-071	CHASSIS, 5130800203,Upper Gasket
CV-SSB-19-CB-072	CHASSIS, 5130801596,Water Tank Support Rod
CV-SSB-19-CB-073	CHASSIS, 5130803494,Electrician Bracket
CV-SSB-19-CB-074	CHASSIS, 5130805750,Water Pump Inlet Joint
CV-SSB-19-CB-075	CHASSIS, 5130805821,Water Tank Left Mounting Bracket
CV-SSB-19-CB-076	CHASSIS, 5130805822,Electric Car Suction Radiator
CV-SSB-19-CB-077	CHASSIS, 5130805823,Cooling Bag Diagonal Stay Bracket
CV-SSB-19-CB-078	CHASSIS, 5130805824,Water Pump Inlet Pipe
CV-SSB-19-CB-079	CHASSIS, 5130805837,Cooling Bag Diagonal Stay Bracket 2
CV-SSB-19-CB-080	CHASSIS, 5130805838,Water Tank Right Mounting Bracket
CV-SSB-19-CB-081	CHASSIS, 5130805840,Connecting Hose
CV-SSB-19-CB-082	CHASSIS, 5130805843,Water Tank Ventilation Filter
CV-SSB-19-CB-083	CHASSIS, 5130806456,Water Pump Outlet Pipe 1
CV-SSB-19-CB-084	CHASSIS, 5130806460,Motor Controller Inlet Pipe 1
CV-SSB-19-CB-085	CHASSIS, 5130806461,Motor Controller Outlet Pipe 2
CV-SSB-19-CB-086	CHASSIS, 5130806462,Water Tank Inlet Pipe
CV-SSB-19-CB-087	CHASSIS, 5130807214,Motor Water Inlet Pipe
CV-SSB-19-CB-088	CHASSIS, 5130807215,Motor Controller Inlet Pipe 2

CV-SSB-19-CB-089	CHASSIS, 5130807216, Motor Water Pipe
CV-SSB-19-CB-091	CHASSIS, 5220000488, Rear Axle Drive Shaft
CV-SSB-19-CB-092	CHASSIS, 5280002207, Spare Tire Crank
CV-SSB-19-CB-093	CHASSIS, 5280005148, Air Pump Transition Bracket
CV-SSB-19-CB-094	CHASSIS, 5280005198, Electronically Controlled Transition Bracket
CV-SSB-19-CB-095	CHASSIS, 5290002388, Front Air Suspension
CV-SSB-19-CB-096	CHASSIS, 5340000144, Air Reservoir Assembly
CV-SSB-19-CB-097	CHASSIS, 5340000172, Oil Return Over Joint
CV-SSB-19-CB-098	CHASSIS, 5340000575, Steering Drive Shaft
CV-SSB-19-CB-099	CHASSIS, 5340001042, Steering Arm
CV-SSB-19-CB-100	CHASSIS, 5340001070, Steering Column And Drive Shaft
CV-SSB-19-CB-101	CHASSIS, 5340001203, Steering Straight Rod Assembly
CV-SSB-19-CB-102	CHASSIS, 5350000647, Flexible Metal Hose
CV-SSB-19-CB-103	CHASSIS, 5350002577, Aluminum Alloy Air Reservoir Assembly (With Two Straps)
CV-SSB-19-CB-105	CHASSIS, 5370004143, Instrument Wiring Harness
CV-SSB-19-CB-106	CHASSIS, 5370004145, Power Motor Line
CV-SSB-19-CB-107	CHASSIS, 5370004147, Power Control Harness
CV-SSB-19-CB-108	CHASSIS, 5370004148, Bus Instrument
CV-SSB-19-CB-109	CHASSIS, 5370004149, Combination Rocker Switch
CV-SSB-19-CB-110	CHASSIS, 5370004150, Power Main Switch Assembly
CV-SSB-19-CB-111	CHASSIS, 5400109719, ABS Harness
CV-SSB-19-CB-112	STEERING, Electric Hydraulic Power Steering Pump, 20 Seconds Low Voltage Backup
CV-SSB-19-CB-113	AIR PUMP, Electric Air Compressor
CV-SSB-19-CB-114	STEERING, Tilt/ Telescope Steering Wheel
CV-SSB-19-CB-115	HORN, Air Horn
CV-SSB-19-CB-116	BATTERY, (2) 12-Volt Group 35 battery
CV-SSB-19-CB-117	BATTERY BOX, Steel with Sliding Tray for Standard Group 35 Battery, Mounted Left Side Rear Axle
CV-SSB-19-CB-118	CHASSIS COATING, Electrohporesis Technology Coating Full Chassis
CV-SSB-19-CB-119	MOTOR, Prestolite MD110B permanent magnet synchronous motor with cooling system, with retarder function. Base Horse Power: 150 horse power(110KW) continues run, 333 horse power(245kw) max. 194 horse power(145kw) max 30 min.
CV-SSB-19-CB-120	MOTOR, Motor Controller Unit CO200
CV-SSB-19-CB-121	AXLE, REAR, Rear Disc Brake Axle, Rated Loading 24250-lb with Disc Brake
CV-SSB-19-CB-122	SUSPENSION, REAR, Air Suspension
CV-SSB-19-CB-123	GAUGE
CV-SSB-19-CB-124	WHEELS, Aluminum alloy rim, Dual bright with spare tire and rim
CV-SSB-19-CB-125	WHEELS, 295/80R 22.5 Tires on 8.25 x 22.5 Wheels, DOT Approved
CV-SSB-19-CB-126	BODY, Monocoque Body Structure
CV-SSB-19-CB-127	LINING, Light grey interior paint
CV-SSB-19-CB-128	WINDSHIELD, 2 Piece Windshield

CV-SSB-19-CB-129	WINDOW, Windows Split Sash with 12" Egress
CV-SSB-19-CB-130	WINDOW, Windows Split Sash with 12" Egress, with Push Out Emergency Exit
CV-SSB-19-CB-131	STEP, Studded Steps, White Nosing with Black Treads
CV-SSB-19-CB-132	FLOOR, Dark Gray Composite Flooring
CV-SSB-19-CB-133	ROOF, White Roof with Roof Lettering
CV-SSB-19-CB-134	LIGHTS, INTERIOR, LED Light Stripe Intergrated into Air Duct
CV-SSB-19-CB-135	LIGHTS, INTERIOR, LED Driver Dom Light
CV-SSB-19-CB-136	RUB RAILS, Rub Rails Painted Black
CV-SSB-19-CB-137	CHARGER, On-Board Charger and Cable with Plug (~20kW J1772/Level II charger)
CV-SSB-19-CB-138	TOW HOOKS, One Hook Front
CV-SSB-19-CB-139	DOOR, Rear Emergency Door 35"
CV-SSB-19-CB-140	DOOR, RED, Lock Assy, Door,Single Point Tapered Rh
CV-SSB-19-CB-141	DOOR, RED, Handle I/S Wide Red Painted
CV-SSB-19-CB-142	DOOR, RED, Black Bar 6"Wide 1/2" Thick 1 Ft Long
CV-SSB-19-CB-143	DOOR, RED, Steel Pull Handle
CV-SSB-19-CB-144	DOOR, RED, Door Switch
CV-SSB-19-CB-145	DOOR, Left Side Emergency Door 28" (LSED) w/ Telescopic Retainer, Floor Level Entry, Title 13 Required
CV-SSB-19-CB-146	DOOR, LSED, Handle,Door,O/S,Rear Emercency, Black D3Fe
CV-SSB-19-CB-147	DOOR, LSED, Telescopic Sed Lock Support
CV-SSB-19-CB-148	DOOR, LSED, Handle Inside Rear Emergency D
CV-SSB-19-CB-149	DOOR, LSED, Lock Assy Door Single Point Ta
CV-SSB-19-CB-150	DOOR, LSED, Steel Pull Handle
CV-SSB-19-CB-151	DOOR, LSED, Door Switch
CV-SSB-19-CB-152	SEATS, Air Driver's Seat
CV-SSB-19-CB-153	SEATS, CA Legal School Bus Bench Seats for 72 Pax
CV-SSB-19-CB-154	FAN, 6" Drivers Fan
CV-SSB-19-CB-155	ROOF HATCH, FRONT and REAT, Transpec Triple Value Roof Vents
CV-SSB-19-CB-156	HVAC, Thermo King E900 Electric Ducted HVAC System
CV-SSB-19-CB-157	HEATER, Driver Windshield Defroster
CV-SSB-19-CB-158	MIRROR, INSIDE 10" x 30" with Roscoe STSK1030 Mirror Camera System
CV-SSB-19-CB-159	MIRROR, CROSSVIEW, EXTERIOR Black
CV-SSB-19-CB-160	MIRROR, REAR, Roscoe BSSK1001 Back-up Warning System
CV-SSB-19-CB-161	MIRROR, REAR, EXTERIOR, Heated Moterized Head, Black, Remote Control from Driver Area
CV-SSB-19-CB-162	ALARM, Child Checkmate Wiring, 12 Volt (only wiring front to rear)
CV-SSB-19-CB-163	ALARM, Child Check Unit
CV-SSB-19-CB-164	SUN VISOR, Driver's Front and Side Sun Visor
CV-SSB-19-CB-165	DRAIN, Driver Dash Located Electric Air Drains
CV-SSB-19-CB-166	RADIO, Radio with PA, with Six Speakers
CV-SSB-19-CB-167	KIT, FIRST AID 24 Unit, California
CV-SSB-19-CB-168	CERTIFICATE HOLDER for State of California

CV-SSB-19-CB-169	SWITCH, Noise Suppression Switch (Turns Off HVAC, Defroster, Dash Fan, Radio)
CV-SSB-19-CB-170	STOP ARM, LEFT REAR Electric, Composite Blade, 18" Octagon, Double Sided
CV-SSB-19-CB-171	ALARM, Backup Alarm
CV-SSB-19-CB-172	DECAL, Red Reflector/Spitfire-Rr-4.435In X 1.640 In
CV-SSB-19-CB-173	DECAL, Yellow Reflector / Tape
CV-SSB-19-CB-174	DECAL, To Open Lift Red Bar
CV-SSB-19-CB-175	DECAL, Watch Your Step
CV-SSB-19-CB-176	DECAL, Battery Cut Off
CV-SSB-19-CB-177	DECAL, Air Drain Decal
CV-SSB-19-CB-178	DECAL, M17 - Fasten Seat Belts 1.5" X 4" Red On White
CV-SSB-19-CB-179	DECAL, Fire Extinguisher
CV-SSB-19-CB-180	DECAL, Emergency Exit Lift Handle Push Out To Open
CV-SSB-19-CB-181	DECAL, Exit With Arrows
CV-SSB-19-CB-182	DECAL, First Aide Kit
CV-SSB-19-CB-183	DECAL, This Vehicle Stops At All Railroad Crossings
CV-SSB-19-CB-184	DECAL, Arrow Clockwise
CV-SSB-19-CB-185	DECAL, Arrow Counterclock Wise
CV-SSB-19-CB-186	DECAL, Exterior Emergency Exit
CV-SSB-19-CB-187	DECAL, Stop When Red Lights Flash
CV-SSB-19-CB-188	DECAL, School Bus
CV-SSB-19-CB-189	DECAL, Lift To Open
CV-SSB-19-CB-190	DECAL, Emergency Exit
CV-SSB-19-CB-191	DECAL, Decal, Watch Your Step, Black On White, 2.5" X 12.5"
CV-SSB-19-CB-192	DECAL, Operates From Inside Only, Face Adhesive On White
CV-SSB-19-CB-193	LIGHTS, Red School Bus Warning Lamp
CV-SSB-19-CB-194	LIGHTS, Amber School Bus Warning Lamp
CV-SSB-19-CB-195	LIGHTS, Front Amber Turn Signal
CV-SSB-19-CB-196	LIGHTS, Amber Marker Lights
CV-SSB-19-CB-197	LIGHTS, Red Marker Lights
CV-SSB-19-CB-198	LIGHTS, Rear Amber Turn Signal
CV-SSB-19-CB-199	LIGHTS, Rear Tail And Stop Lamp
CV-SSB-19-CB-200	LIGHTS, Stop Light
CV-SSB-19-CB-201	LIGHTS, Backup Light
CV-SSB-19-CB-202	LIGHTS, Curb Door Light
CV-SSB-19-CB-203	LIGHTS, Above Wheel Lamp Led, Length 5-7/8", Width 2", Depth 1-1/2", Color Yellow
CV-SSB-19-CB-204	LIGHTS, Warning Light Visor
CV-SSB-19-CB-205	LIGHTS, Amber Reflex Reflector
CV-SSB-19-CB-206	LIGHTS, Red Reflex Reflector
CV-SSB-19-CB-207	LIGHTS, 7" Led Headlamp H/L
CV-SSB-19-CB-208	LIGHTS, Strobe, Peterson 14 Joule Duple Flahs School Bus Beacon - 792C
CV-SSB-19-CB-209	LIGHTS, Stepwell Light

CV-SSB-19-CB-210

CV-SSB-19-CB-211

MUD FLAPS, Front & Rear Wheels (4) Rubber

FIRE EXTINGUISHER, DRIVER AREA 5 lb 2A-40BC Minimum with Flexible  
Hose and Metal Nozzle, Mounted