

ENERGY FOR THE FUTURE

EFFICIENT CHARGING SOLUTIONS FOR ELECTRIC SCHOOL BUS FLEETS



PROTERRA

STANDARDIZED TECHNOLOGY

Industry-standard charging technology seamlessly connects with your Saf-T-Liner C2 Jouley electric school buses and other electric cars and buses in your community, with a standard J1772-CCS Type 1 connection.

MODULAR AND SCALABLE

The Proterra Power Control System can be paired with up to four dispensers, reducing charger costs per bus as you scale and enabling automated, sequential vehicle charging. The Power Control System can be located up to 500 feet from dispensers.

SUPPORTED BY EV EXPERTS

With extensive in-house experience, our team stands ready to ensure timely construction and installation of your charging infrastructure. Proterra Energy™ fleet solutions offer a turn-key approach, including design, build, financing, operations, maintenance and energy optimization.

60 kW

PROTERRA® CHARGING SYSTEM



POWER CONTROL SYSTEM

PAIR WITH UP TO 4 CHARGING DISPENSERS

FAST CHARGING

- Charge a Saf-T-Liner® C2 Jouley electric school bus in approximately 3 hours
- Charge four buses in automated sequence in approximately 12 hours

VEHICLE TO GRID (V2G) CAPABLE

- Optimized for bi-directional power flow
- Inverter integrated into charger instead of bus
- With V2G enabled, energy can be sent from the bus back to the grid



Open source communications protocol



Bi-directional V2G capability



Smart grid ready

TECHNICAL SPECIFICATIONS
ELECTRICAL INPUT

Nominal Power - Continuous	66 kVA
Input Voltage	480VAC, 5-Wire WYE (L1, L2, L3, Neutral, Ground)
Input Current	79A @ 480VAC, 60Hz
Input Frequency	60 Hz
Power Factor	>0.995
Maximum Efficiency	>91% @ 800 V (DC output voltage dependent)
THD - Full Power	<3%

ELECTRICAL OUTPUT

Output Power Capability - Continuous	60 kW
Output Voltage	270 - 870 VDC
Output Current	± 200ADC
Charging Module	Remote dispenser with vehicle interface
Max Number of Dispensers	4 dispensers for automated, sequential charging
Max Distance - PCS to Dispenser	500 ft 152 m

MECHANICAL

Cooling	Air cooling
Weight	1400 lb 635 kg
Dimensions (W x D x H)	31.5 in x 23.6 in x 70.8 in 80 cm x 60 cm x 180 cm
Environmental Rating	NEMA 3R
Wall Clearance (Side, Back)	6 in, 1 in 15.24 cm, 2.54 cm
Adjacent Unit Clearance (Side, Back)	1 in, 1 in 2.54 cm, 2.54 cm
Door Clearance	Facing open space: 36 in 91.4 cm
	Facing open door: 48 in 121.9 cm

DISPENSER SPECIFICATIONS

Dimensions - wall-mounted (W x D x H)	15.75 in x 8.5 in x 26.5 in 40 cm x 21.6 cm x 67.3 cm
Dimensions - pedestal-mounted (W x D x H)	15.75 in x 8.5 in x 58 in 40 cm x 21.6 cm x 147.3 cm
Weight (wall-mounted)	42 lb 19 kg
Weight (pedestal-mounted)	112 lbs 50.8 kg
Dispenser Installation	Wall or pedestal-mounted
Charging Cord Length	10 ft, 18 ft or 25 ft 3 m, 5.5 m, or 7.6 m
Wall Clearance (Side, Back)	0 in, 0 in 0 cm, 0 cm
Door Clearance (Facing open space, Facing another door)	36 in, 48 in 91.44 cm, 121.92 cm

ENVIRONMENTAL

Operational Temperature Range	-4°F to 113°F -20°C to 45°C
Humidity	0% to 95%
Altitude	De-rates over 2000m above sea level

COMMUNICATIONS PROTOCOLS

Remote Management	OCP1.6 via 4G Cellular
Compatible Charging Connections	J1772 CCS Type 1 universal plug-in

CERTIFICATIONS

UL	2202, 2231
Warranty	2 Years

- Standardized and Interoperable
- Modular and Scalable
- Multi-dispenser Capable
- Intelligent and Automated

Proterra is a leader in the design and manufacture of zero-emission electric transit vehicles and EV technology solutions for commercial applications. We provide a suite of products, services and financing options for a seamless transition to clean, quiet, battery-electric fleets. Proven through more than 11 million miles in service and rigorous U.S. independent testing, Proterra technology is designed for durability, safety and energy efficiency.



MADE IN THE USA

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Because every mile matters.™



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