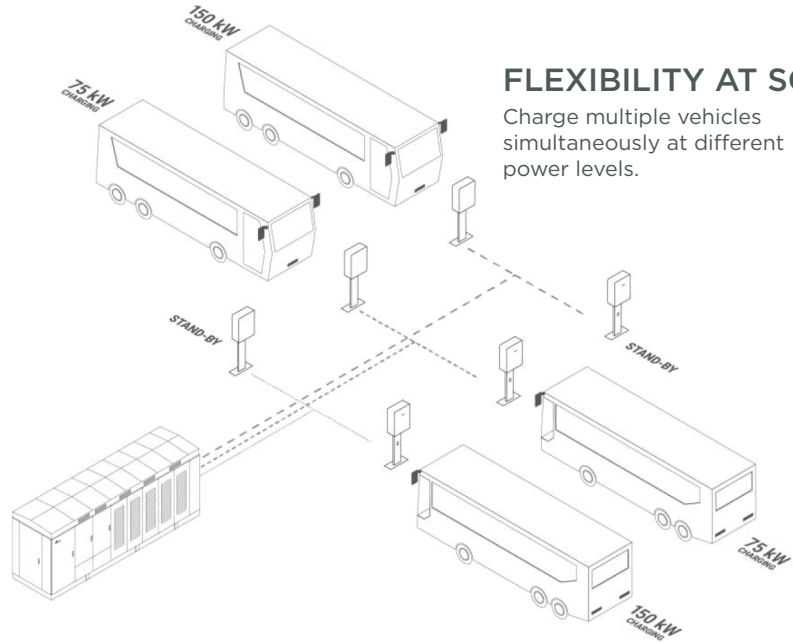


**PURPOSE-BUILT  
CHARGING HARDWARE**

Designed specifically to support large, electric fleets, the Proterra 1.5MW Charging System is highly configurable and can support up to 40 vehicles.

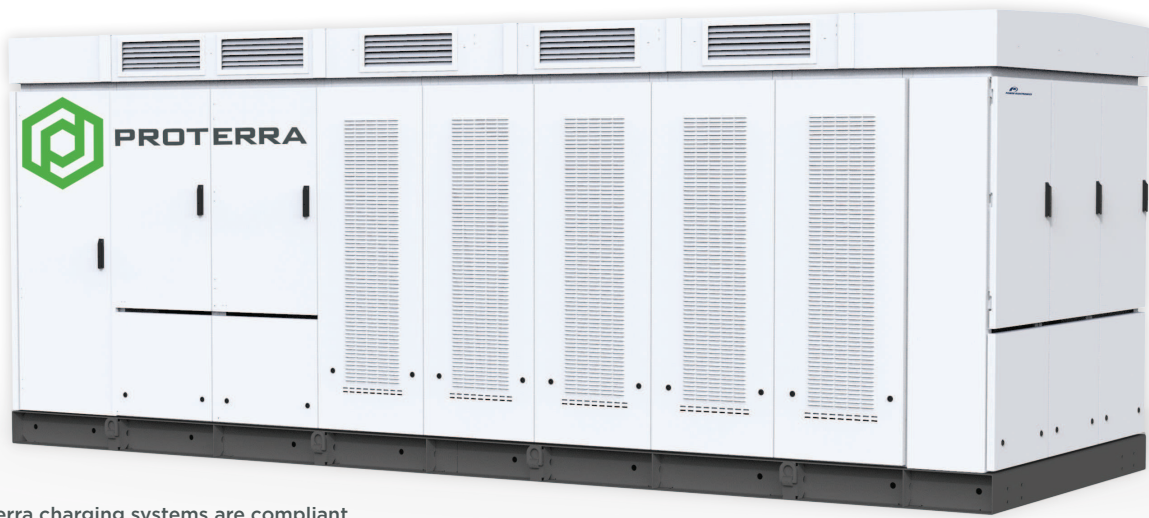
An optional medium voltage (4.16kV to 34.5kV) transformer can be integrated directly into the Charging System, reducing the need for an external service transformer on site.

Remote dispensers, dynamic power sharing and medium voltage options create significant cost savings and a smaller system footprint.



**FLEXIBILITY AT SCALE**

Charge multiple vehicles simultaneously at different power levels.



Proterra charging systems are compliant with Federal DOT Buy America requirements.

**COMPATIBLE CONNECTIONS**

UNIVERSAL PLUG-IN



PANTOGRAPH



Proterra® charging systems utilize industry-standard charging technology so your heavy-duty electric vehicles, utility vehicles, and cars can share the same standardized chargers.

# 1.5 MW

PROTERRA®  
**CHARGING  
SYSTEMS**



**PROTERRA**  
ENERGY

ELECTRICAL OUTPUT	1.5 MW System - 480V		1.5 MW System - MV
Charger Continuous DC Output Power	1500 kW		
DC Output Voltage	150-1000 VDC		
Continuous DC Output Current per dispenser	200A, 300A optional (May be vehicle interface limited)		
Continuous DC Output Current per Pantograph	1000A (May be vehicle interface limited)		
Max number of simultaneous DC outputs	20		
Continuous DC Output Power per Pantograph	450kW (Pantograph Limited)		
ELECTRICAL INPUT			
AC Input Power	1613 kW		
AC Input Current	2,156A	*dependent on MV value	
AC Input Voltage	480V +/- 10%	4.16kV to 34.5kV	
AC Input Topology	4-wire WYE (3ph + GND)	4-wire WYE (3ph + GND)	
AC Input Frequency	60 Hz		
Current THD% at full power	<3%		
Power Factor	>0.99		
Efficiency	480V 94%	MV 93%	
MECHANICAL			
Cooling	Integrated air cooling		
Weight	17,857 lbs   8100 kg	32,187 lbs   14,600 kg	
Dimensions (D x W x H)	228 in x 89 in x 79.5 in   579 cm x 226 cm x 202	335.4 in x 89 in x 79.5 in   852 cm x 226 cm x 202 cm	
Wall Clearance (front, back)	48 in   120cm		
Wall Clearance (sides)	60 in   150 cm	63 in   160 cm	
ENVIRONMENTAL			
Environmental Rating	NEMA 3R		
Maximum Altitude	3000m   9800 ft (power derates above 2000m   6500 ft)		
Operating temperature	-22 F to 122 F : -30 C to 50 C		
Operating Humidity	4-95%		
MISC			
Approved charger-to-vehicle interfaces	CCS1 Industrial dispenser J3105-1 Infrastructure-down Pantograph		
Max number of dispensers per 1.5MW Charger	Supports simultaneous charging with 20 dispensers. Optionally supports charging up to 40 vehicles with two CCS1 cables per dispenser charging sequentially.		
Max number of pantographs per 1.5MW Charger	Supports simultaneous charging with up to 20 pantographs		
1.5MW Charger to dispenser or pantograph control box communications	Modbus TCP via fiber optic		
Max Distance between 1.5MW Charger and Dispenser	500 ft   152.4 m (fiber optics)		
V2G Capable	Yes (optional)		
Management Communications	OCPP 1.6 control via 4G Cellular (standard) Supports WiFi, Ethernet (optional)		
Certifications	UL 2231, UL 2202, UL 1741SA, IEEE 1547 (pending)		
Warranty	3 year standard, 5 year extended warranty options available		

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