

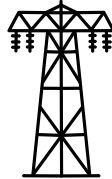
ClearSky VPP Hub

Energy Storage System



High Power Output

45 kW input with up to 600 kW output



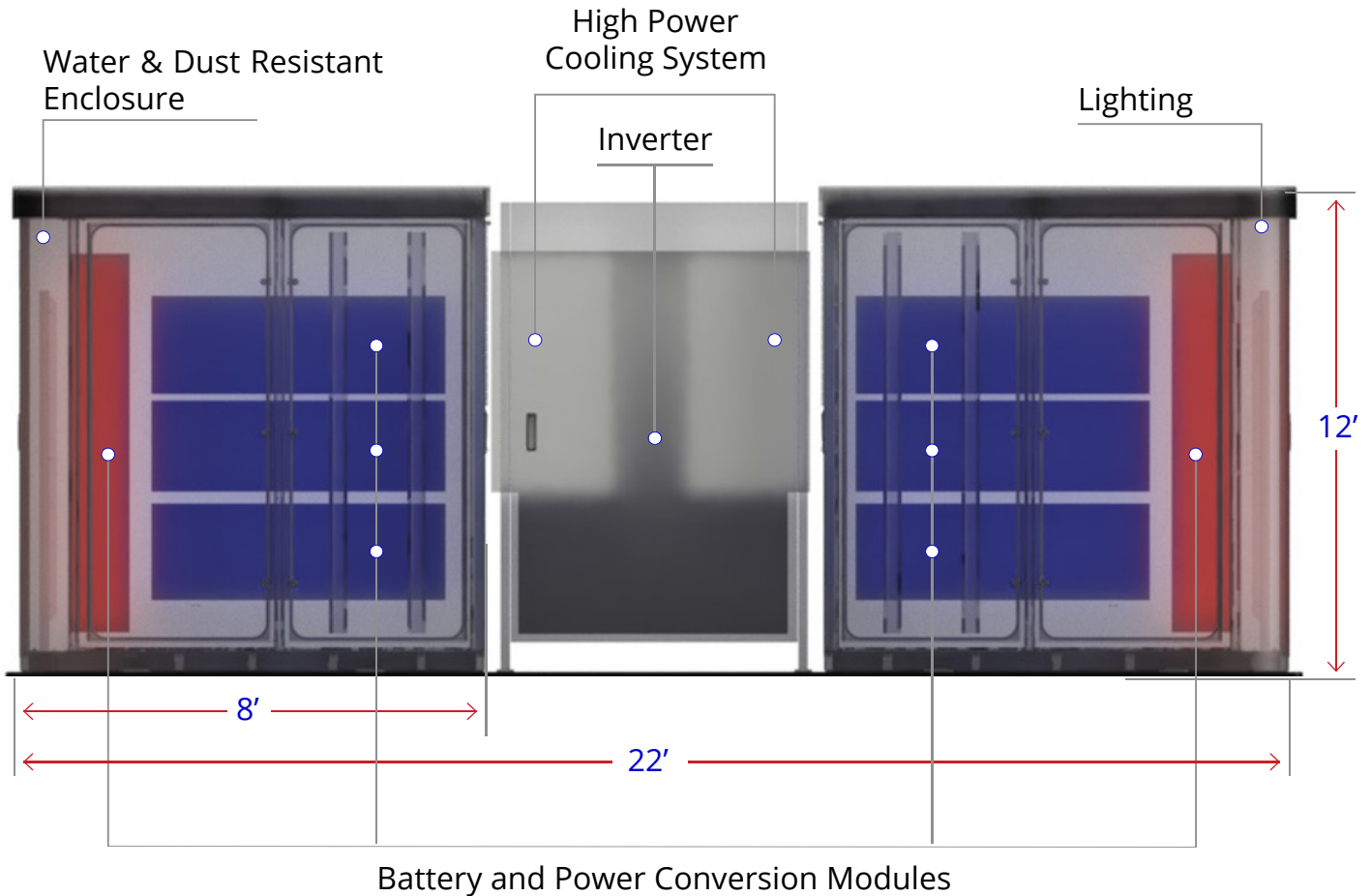
Utility Savings

Peak Shaving
Load Shifting
Global Adjustment



Backup Power

Grid Resilience
Demand Response



Component Configurations	220	440	660
Power Conversion Modules	4	8	8
Battery Modules	16 250 kW (cont) 300 kW (peak)	32 500 kW (cont) 600 kW (peak)	48 660 kW (cont)
EV Chargers	4 x 75 kW 2 x 150 kW	8 x 75 kW 4 x 150 kW	8 x 75 kW 4 x 150 kW

Electrical Specifications	220	440	660
Energy Storage (Rated)	220 kWh	440 kWh	660 kWh
Recommended Input Power (3 Phase)	45 kW	90 kW	125 kW
Max Power Output	300 kW	600 kW	600 kW
Energy Storage Voltage	650 - 790V		
EV Charging Outputs			
Max Output Current	165A @ 920V 300A @ 500V		
Output Charging Voltage	200 - 920 V		
Max DC Output Voltage	1000 VDC		

Mechanical Specifications	220	440	660
Dimensions ¹ W x L x H	8 x 12 x 7 ft 2.4 x 3.7 x 2.1 m	12 x 22 x 7 ft 3.7 x 6.7 x 2.1 m	12 x 22 x 7 ft 3.7 x 6.7 x 2.1 m
Weight ²	10,000 lbs 4,536 kg	20,000 lbs 9,072 kg	28,000 lbs 12,701 kg

Environmental + Compliance	220	440	660
Environmental	-30 °C to 50 °C (-22 to 122 °F), 95% humidity, 6000 ft altitude, NEMA 3R		
Compliance	UL approved for USA. Complies with UL 9540, UL 9540A, NFPA855, NEC Article 625. Program compliance with NEVI3		

1 Overall architecture of ClearSky Mixed Energy Hub
2 Approximate weight of ClearSky Mixed Energy Hub, excluding EV Charging Pedestal
3 NEVI Compliance with 440 and 660 configurations
Note: These specifications replace the previous 180, 360, 540 battery configurations

Product specifications provided are based on current technological capabilities and are subject to change.