

SYSTEM SPECIFICATIONS

Smart Family of Fleet Electrification Solutions

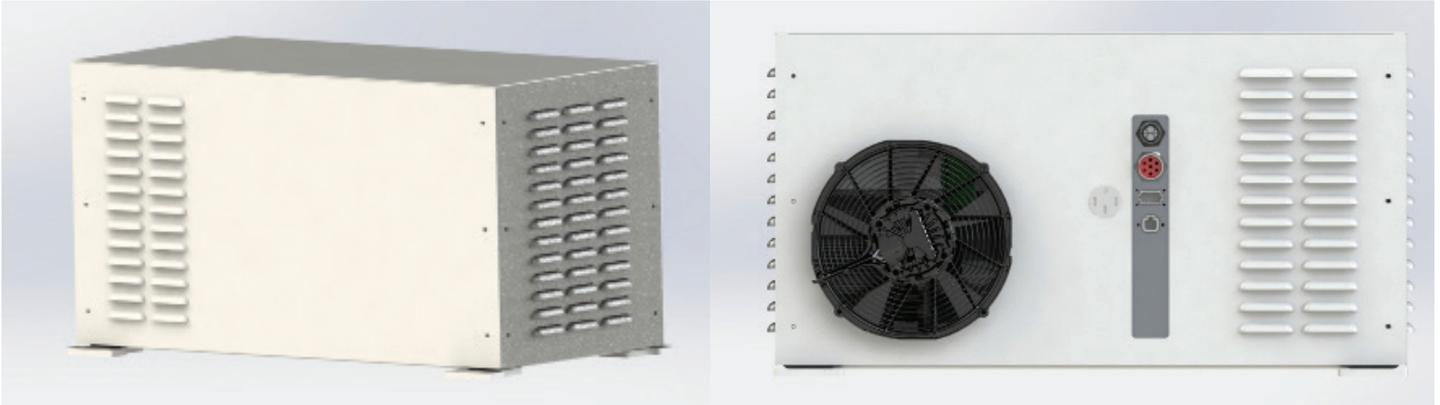


VIATEC



SYSTEM SPECIFICATIONS

SmartPX



Battery Capacity	14.4 kWh	21.6 kWh
AC Output		
Voltage	120V and 240V	
Current (Max)	100A (120V) or 50A (240V)	
Power Rating	12kVA	
Frequency	60 Hz	
Export Power		
Current Rating	~73 A at 13.7V (~36A at 27.4V)	
Power Rating	1000W	
Battery		
Chemistry	Lithium NMC	
Storage Capacity	14.4 kWh	21.6kWh
Estimated Life	10 years to 80% of initial capacity	
Battery Management System	Integrated	
Operating Temperature Range*	-25°C to +45°C ambient temperature	
Charging		
Default Charger	1300W 100-260VAC 50/60Hz Input	
Recharge Time (Default Charger)	10 hrs	15 hrs
Fast Charger (Add-on Option)	6000W SAE J1772 EV Interface	
Recharge Time (Fast Charger)	2.25 hrs	3.25 hrs
User Interface		
Primary	7" Color Touch Screen + Key Switch + Generator Toggle Switch	
Dimensions and Weight		
Length	41.2" (1046 mm)	
Width	21.5" (547 mm)	
Height	22.4" (570 mm)	
Weight	600 lbs (273 kg)	700 lbs (318 kg)
Notes		
*Ambient temperature range is estimated based on cell temperature limits. Actual performance may vary based on operating environment, storage conditions when not in use, etc.		

SYSTEM SPECIFICATIONS

SmartPTO



Battery Capacity	7.2 kWh	14.4 kWh	21.6 kWh	28.8 kWh
Hydraulics				
Output Pressure	Up To 4000 psi (275 bar)			
Output Flow	Up To 21 GPM (79 LPM)			
Valving	Output Check; Adjustable Internal Relief			
Suction Port	Female SAE-ORB -20			
Pressure Port	Female SAE-ORB -12			
Return	Female SAE-ORB -4 (not required for Open Center)			
Export Power (Optional)				
Current Rating	~146 A at 13.7V (~73A at 27.4V)			
Power Rating	2000W			
Battery				
Chemistry	Lithium NMC			
Storage Capacity	7.2kWh	14.4 kWh	21.6kWh	28.8 kWh
Estimated Life	10 years to 80% of initial capacity			
Battery Management System	Integrated			
Operating Temperature Range*	-25°C to +45°C ambient temperature			
Charging				
Default Charger	1300W 100-260VAC 50/60Hz Input			
Recharge Time (Default Charger)	5 hrs	10 hrs	15 hrs	20 hrs
Fast Charger (Add-on Option)	6000W SAE J1772 EV Interface			
Recharge Time (Fast Charger)	1 hr	2.25 hrs	3.25 hrs	4.5 hrs
User Interface				
Primary	Indicator LEDs on enclosure			
Control	Secondary	Remote mounted e-stop and pump toggle switch		Touch Encoder
Dimensions and Weight				
Length	36.5" (928 mm)		50" (1270 mm)	
Width	18" (458 mm)			
Height	24.5" (622 mm)			
Weight	440 lbs (200 kg)	510 lbs (231 kg)	650 lbs (295 kg)	720 lbs (327 kg)
Notes				
*Ambient temperature range is estimated based on cell temperature limits. Actual performance may vary based on operating environment, storage conditions when not in use, etc.				

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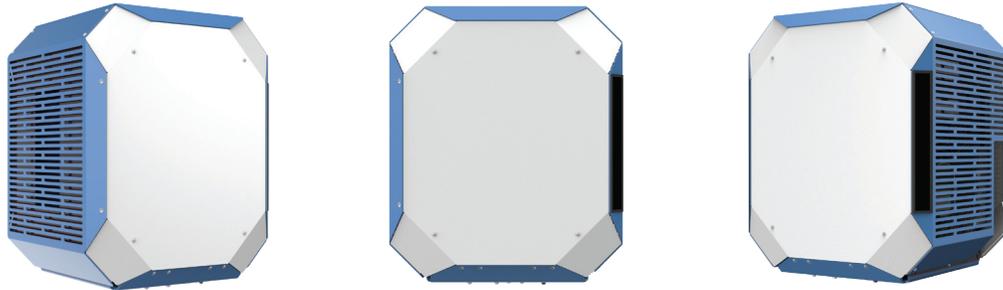
SmartPTO for Electric Vehicles



Battery Capacity	7.2 kWh	14.4 kWh	21.6 kWh	28.8 kWh
Hydraulics				
Output Pressure	Up To 4000 psi (275 bar)			
Output Flow	Up To 21 GPM (79 LPM)			
Valving	Output Check; Adjustable Internal Relief			
Suction Port	Female SAE-ORB -20			
Pressure Port	Female SAE-ORB -12			
Return	Female SAE-ORB -4 (not required for Open Center)			
Export Power (Optional)				
Current Rating	~146 A at 13.7V (~73A at 27.4V)			
Power Rating	2000W			
Battery				
Chemistry	Lithium NMC			
Storage Capacity	7.2kWh	14.4 kWh	21.6kWh	28.8 kWh
Estimated Life	10 years to 80% of initial capacity			
Battery Management System	Integrated			
Operating Temperature Range*	-25°C to +45°C ambient temperature			
Charging				
Default Charger	1300W 100-260VAC 50/60Hz Input			
Recharge Time (Default Charger)	5 hrs	10 hrs	15 hrs	20 hrs
Fast Charger (Add-on Option)	6000W SAE J1772 EV Interface			
Recharge Time (Fast Charger)	1 hr	2.25 hrs	3.25 hrs	4.5 hrs
User Interface				
Primary	Indicator LEDs on enclosure			
Control	Secondary	Remote mounted e-stop and pump toggle switch		Touch Encoder
Dimensions and Weight				
Length	36.5" (928 mm)		50" (1270 mm)	
Width	18" (458 mm)			
Height	24.5" (622 mm)			
Weight	425 lbs (191 kg)	495 lbs (236 kg)	635 lbs (282 kg)	705 lbs (327 kg)
Notes				
*Ambient temperature range is estimated based on cell temperature limits. Actual performance may vary based on operating environment, storage conditions when not in use, etc.				

SYSTEM SPECIFICATIONS

SmartAPU



Pictured systems are ideal renderings. Appearance may be subject to change.

DC Output	
Voltage (nominal)	13.6V DC
Current (max continuous)	~220A
Power (rated max)*	3000W
Inverter Output	
Voltage (nominal)	120VAC
Current (max continuous)	25A
Power (rated max)*	3000W
Battery	
Chemistry	Lithium NMC
Storage Capacity	6.4kWh
Estimated Life	10 years to 80% of initial capacity
Battery Management System	Integrated
Operating Temperature Range**	-20°C to +45°C
Charging	
Method	Plug-in
Onboard Charger	1500W, 120V/ 240V AC
Recharge Time***	~5.5 hrs
User Interface	
Primary	Dash-mounted Touch Encoder display
Truck Interface	
Communication	Vehicle powertrain J1939 CAN
12V System	To truck 12V batteries via 250A Fuse/ Breaker
Dimensions and Weight	
Length	22" (558 mm)
Width	18.5" (458mm)
Height	24" (615mm)
Weight	280 lbs (91 kg)
Notes	
*Combined maximum output power (AC and DC) is 3000W	
**Operating temperature range is dependent on actual cell temperatures. Actual performance may vary based on operating environment, storage conditions when not in use, etc.	
***Based on shore power charge.	