

Specifications

Hydraulics

Pump Type	Vane Pump
Maximum Output Pressure	3988 psi
Maximum Output Flow	18.8 GPM
Valving	Outlet Check; Adjustable Internal Relief
Coupling Interface	Female SAE-ORB: Suction -20; Pressure -12

Battery

Chemistry	Li – NMC
Storage Capacities	14.4 kWh (Default), +7.2kWh (Add-on Option)
Estimated Life	~10 years to 80% of initial capacity
Battery Management System (BMS)	Integrated
Cooling	Air

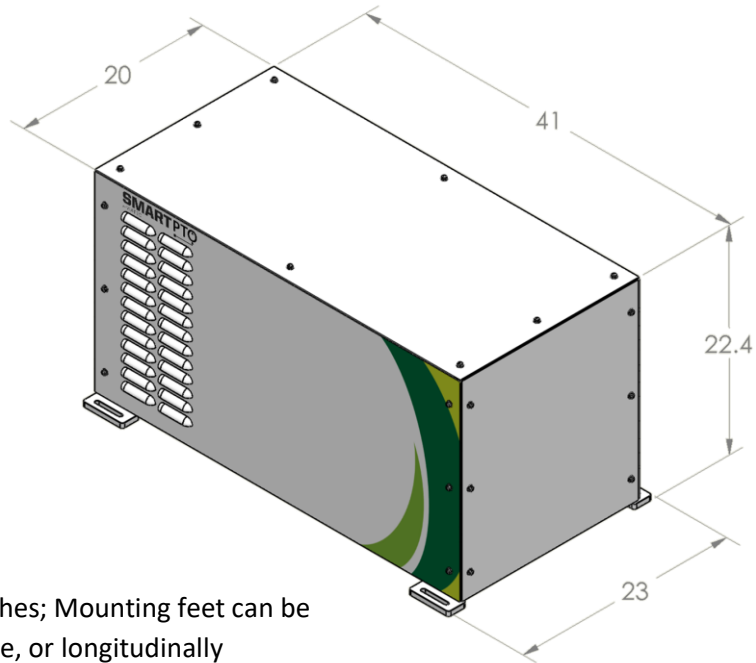
Charging

	Default	Add-on Option
Power	1300W	6000W
Input	120 V AC Level I	240V AC Level II
Recharge Time (for default storage)	< 11 hrs	< 2.5 hrs
Interface	Standard NEMA 5-15 plug	SAE J1772

System

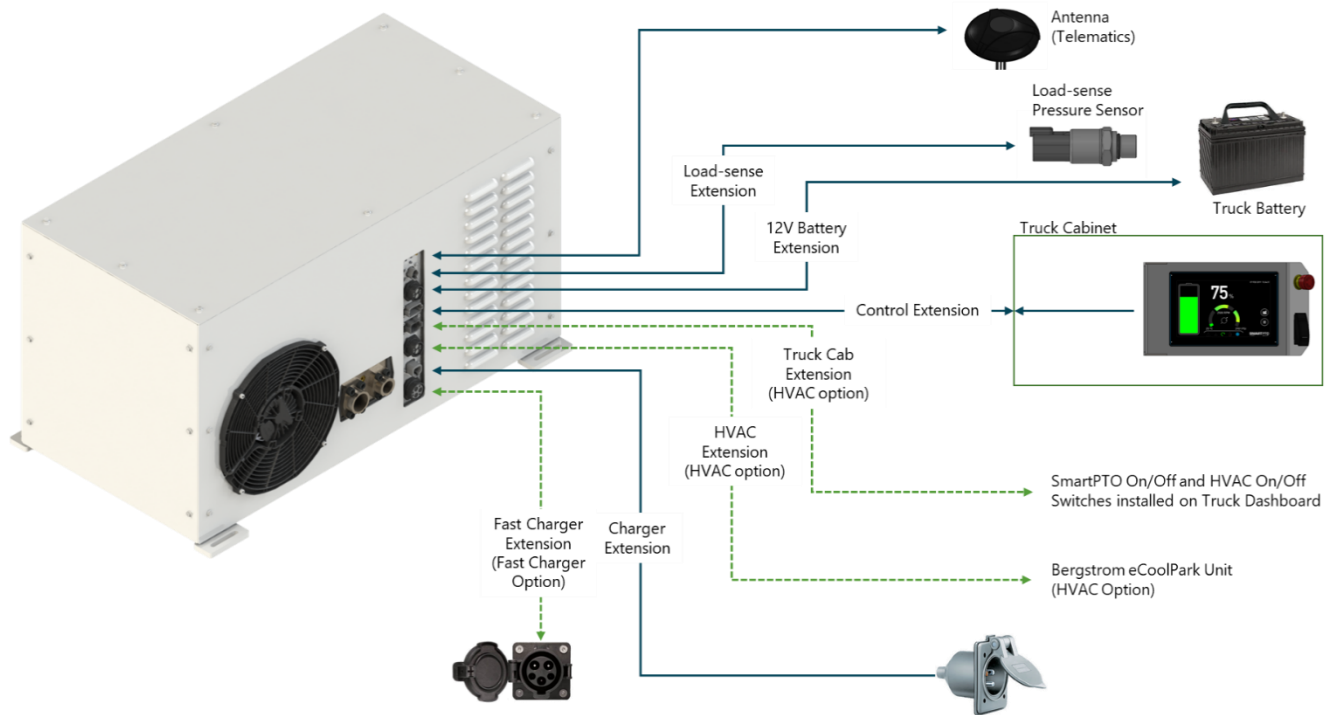
Compatibility	Works with open-center as well as closed-center hydraulics. Ideally suited for higher power and higher energy applications.
User Interface	7" Color Touchscreen + (Default) Key-switch + Pump on/off Rocker Switch (HVAC Option) E-stop + Pump on/off Rocker Switch + Dash mounted SmartPTO and eAC Switches
System Weight	~550 lbs (Base configuration) + ~95 lbs (Add-on 7.2kWh battery) + ~25 lbs (Add-on Fast Charger)

Dimensions (inches)

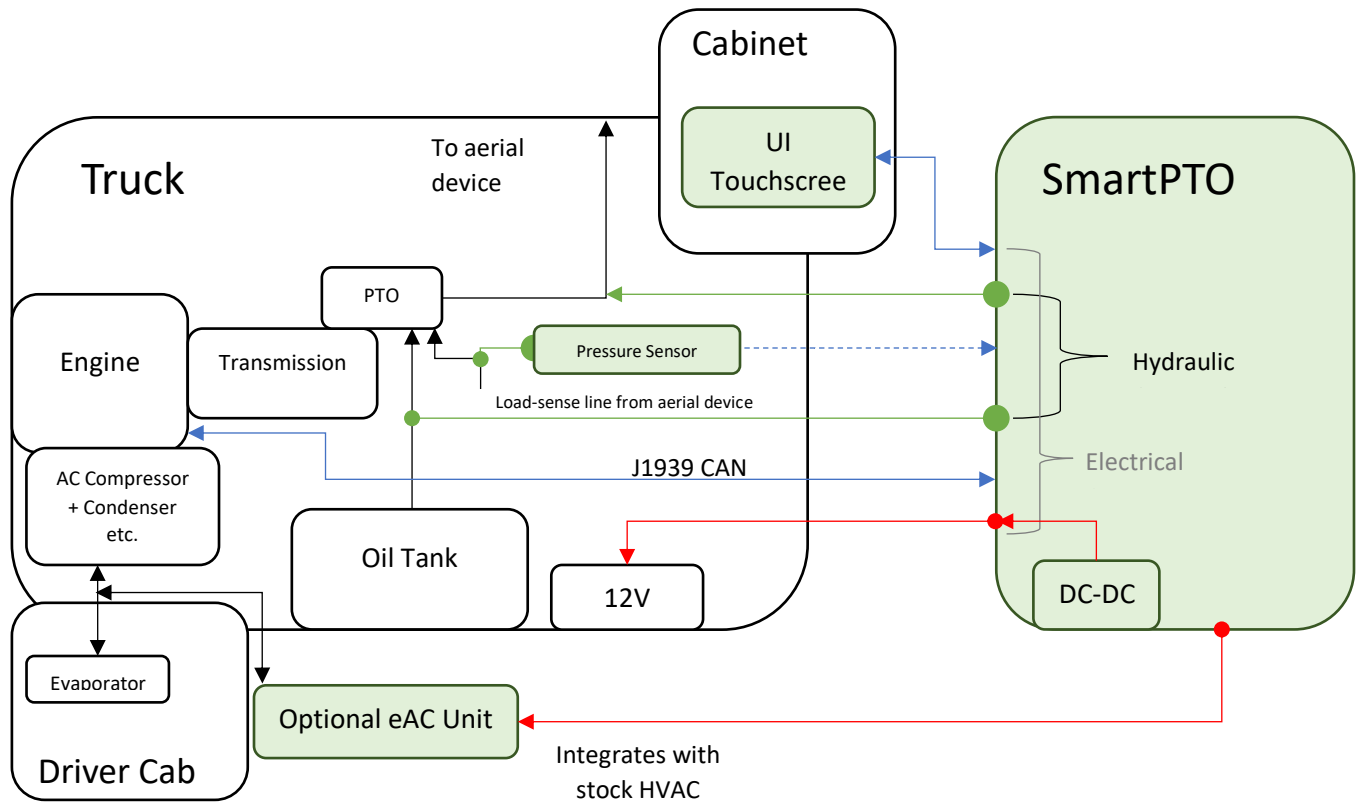


Note: Dimensions in inches; Mounting feet can be oriented as shown above, or longitudinally

Kit



Truck Integration



Notes:

- Pressure sensor in “load-sense” line is required for hydraulic systems that use a load-sensing pressure-compensated PTO pump by default. It is not required for open-center hydraulic systems.
- Cab Comfort system utilizes stock HVAC system components (evaporator, blower and vents)
- **Ford/ GM** truck platforms require additional components for CAN interface, that allow SmartPTO to be disabled when the engine is running.

Ordering Information

SPTO V2 **B** - **1** **1** **Y** **1** - **L** **188** - **3000**

Package
B: Default
 C: Custom

Battery Capacity
1: 14.4kWh (Default)
 2: Not Available
 3: 14.4kWh + 7.2kWh Add-on

Charger Option
1: 1300W with standard 120V inlet
 2: 6000W Level II Charger with SAE J1772 Receptacle

Electrified Cab AC Option
 N: None
Y: Bergstrom eCoolPark™

Max Pressure (psi)
 Range 1000-3900

Max Flow Rate (GPMx10)
 Range 010-188

System Setup
 O: Open Center
L: Load Sensing

Telematics Option
 0: None (currently unavailable)
1: Parker IQANconnect™ - 1 Year
 2: Parker IQANconnect™ - 3 Year

Item	Standard Equipment (Y/N)	Notes
SmartPTO Base Unit		
Base SmartPTO Unit, 14.4 KWh Battery Pack, 12V Export Power	Y	Includes base configuration SmartPTO unit, Control Panel, and kit containing all electrical extensions and interconnects. Does not include hydraulic hoses and fittings.
Configurable Options		
Battery Packs		
Additional 7.2 kWh battery	N	Additional 7.2 kWh battery pack added inside SmartPTO unit
Telematics		
Advanced Telematics - (Option "1") - Parker IQANconnect™	Y	Includes 1 yr. service subscription, remote monitoring, over-the-air software updates, and remote troubleshooting support
Advanced Telematics - (Option "2") - Parker IQANconnect™	N	Includes 3 yr. service subscription, remote monitoring, over-the-air software updates, and remote troubleshooting support
Cab Comfort		
Electrified Cab AC	N	Supplied with SmartPTO, manufactured by Bergstrom; Standard fittings and hoses kit is included. Ongoing support is offered by Bergstrom, at an additional charge.
Charger		
1300W Level I (120V AC)	Y	Requires Standard 3-prong NEMA 5-15 outlet; 15A rated 20ft drop-cord included in SmartPTO kit
6000W Level II (240V AC)	N	6000W on-board J1772 charger added inside SmartPTO unit; Requires a Level 2 J1772 interface EV charger for fast charging.
Services		
Installation	N	Viatec Authorized Distributors will price and perform the installation for their customers. Distributors will quote for Hydraulic Kits required as well as installation efforts as well as any ongoing support/maintenance required.
Optional Accessories		
Thermal Insulated Cover – Recommended for Cold Weather conditions	N	Custom Battery insulator protector for extreme cold weather conditions. An insulated cover with self-regulating heating elements, that helps to keep battery temperatures in their preferred operating range.
Ford/ GM Compatibility module	N	Allows SmartPTO to interface with the CAN bus for vehicles without J1939. Required for system to disable itself when the vehicle engine is restarted or running.