

Electrification of Hydraulic Power

Smart PowerPack S



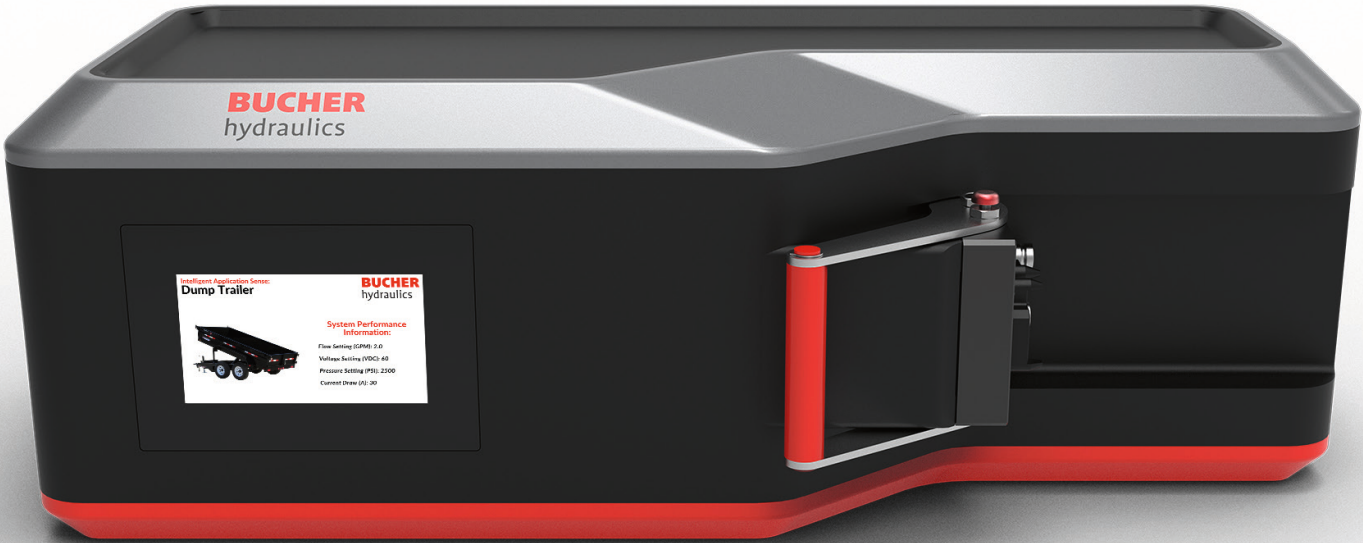
OIL SOLUTIONS

PO Box 38
Strathfieldsaye, VIC, 3551
1800 OIL SOL
1800 645 765

sales@oilsolutions.com.au

www.oilsolutions.com.au

"For All Your Hydraulic Needs"



New from
Bucher Hydraulics

We Have a Solution for Your Noise Pollution

Electrification of traditionally gas-powered hydraulic systems allows for greater controls and efficiencies than ever before. With Bucher's Smart PowerPack S, operators are able to control a wide range of hydraulic systems with greater precision, significant noise reduction and zero emissions. These systems allow users live feedback of system conditions as well as system maintenance and diagnostics.

Features and Benefits:

- Quiet operation/low noise
- Cross-functional – utilize one PowerPack for multiple applications
- Intelligent all-in-one hydraulic and electronics connection with application auto-recognition
- Easy to read system information (performance/errors)
- IOT system allows for continuous monitoring of system conditions
- Improved durability over traditional system
- Bluetooth connectivity with multiple handheld control options

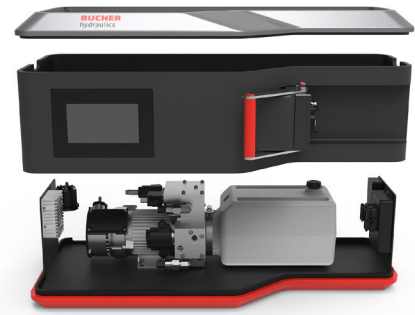
- No power decline when multiple actions are performed simultaneously
- Smooth transitions between actions

Potential applications

- Dump trailers
- Dump beds
- Truck mounted cranes
- Maintenance (scissor lifts)
- Construction
- Landscaping equipment



Specifications



Hydraulic Specifications

- Operating flow range: 0.6 gpm (2.27 lpm) to 3.8 gpm (14.38 lpm)
- Operating pressure range: 250 psi (17.2 BAR) to 3300 psi (230 BAR)
- Electronically variable pressure-balanced hydraulic pump
- Integrated 5 L fluid reservoir
- Intelligent flow on demand system
- Integrated Bucher cartridge negative bypass control
- Bucher electro-proportional pressure relief valve
- Integrated pressure sensor
- Single power input connection
- Intelligent all-in-one hydraulic and electronics connection with application sensing
- Senses and adapts power unit operating parameters based on mating application plug
- Includes leak-free and tool-free hydraulic and electrical connections
- Easy integrated lock and unlock mechanism for transition between applications

Electronics Specifications

Onboard digital controls	Power Input	9- 34VDC
	Power Output	500 mA (for common on switches)
	2x Analog Power Outputs	5V & 10V with 500 mA total
	8x Analog Inputs	(0-30V range)
	16x Digital Inputs	(0-30V) for switches, proximity sensors
	2x Analog Outputs	(0-5V) for motor speed control
	12x Digital Outputs	PWM 3Amp
	2x CANBUS Interface	
	1X UART serial data port	
Bluetooth connectivity	LED Indicators	12 Red LEDs for PWM Outputs 16 Green LEDs for Digital Inputs 3 Yellow LEDs user defined
	Range	50m
	Connectivity to a wide range of devices including	Tablets and gaming controllers
2-in-1 Brushless DC motor		56VDC for use with 60VDC lithium ion battery pack
	Nominal power output	3.3kW
	Peak power output	5.25kW
	Peak efficiency	90%
	Integrated motor controller	
Integrated 7" User Interface	Onboard thermal protection	
	CAN communication	
	Customizable color touchscreen	
	Resistive touchscreen allows for use while wearing gloves	
	Adaptive application performance readouts	
	System and remote control battery level indication	
	Hour life	> 30,000
	Touch life	> 1,000,000
Working temperature range	-20° to 70°C	

Smart Solutions. Superior Support.®

[bucherhydraulics.com](https://www.bucherhydraulics.com)

Bucher Hydraulics, Inc.
1363 Michigan Street NE
49503 Grand Rapids, USA
T +1 616 458 1306
info.mi@bucherhydraulics.com