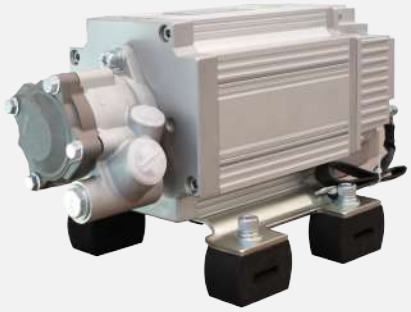
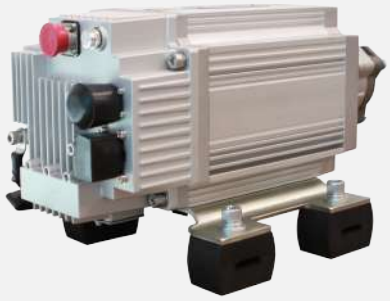
WhatsApp: +86 193 5213 5902
E-Mail: inquiry@brogenevsystem.com
Wechat: Brogenmotors_SH
Phone: +86 193 5213 5902

Electric Hydraulic Power Steering - EHPS

EHPS, or electric hydraulic power steering, uses an electric motor to power the pump, adjusting pressure for steering assistance. This system enhances steering smoothness, precision, energy efficiency, and vehicle stability at high speeds.





- Increased controllability
- Speed-dependent steering assistance
- Dual power versions available
- Tailored OEM solutions available
- Adapt to commercial vehicles

Our offerings					
Dual Power EHPS Pump	High voltage module motor parameters				
	Rated Power	Peak Power	Rated Voltage	Flow	Max pressure
	1.5 kW	3.0 kW	400 - 750 VDC	12 L/min	13±0.3 MPa
	3.0 kW	7.5 kW	400 - 700 VDC	20 L/min	15±0.3 MPa
	Low voltage module motor parameters				
	Rated Voltage	Peak Power	Rated Speed	Peak current	Peak torque
	12 VDC	1.2 kW	1000 rpm	120 A	10.5 N·m
	24 VDC	2.0 kW	1200 rpm	120 A	13.0 N·m

For specific product details or OEM solution discussion, kindly reach out to us.

Our offerings				
Electric Hydraulic Power Steering Pump				
Rated Power	Peak Power	Rated Voltage	Flow	Max pressure
2.2 kW	4.4 kW	380 / 220 VAC	12±1.5 L/min	13 MPa
3.0 kW	6.0 kW	380 / 220 VAC	17±1.5 L/min	15 MPa
3.0 kW	9.0 kW	247 VAC	18±2 L/min	17±0.5 MPa
4.0 kW	10.75 kW	380 / 220 VAC	18±2 L/min	17±0.5 MPa
5.5 kW	11 kW	380 VAC	28 L/min	17±0.5 MPa

For specific product details or OEM solution discussion, kindly reach out to us.

• Enhanced Safety

The dual power electric steering pump operates using both a high voltage battery pack (DC540V) and a low voltage battery (DC24V). If the high voltage supply disconnects suddenly, the low voltage system takes over, allowing the electric power steering to function seamlessly.

• Improved Comfort

When manoeuvring, the steering is light to handle. But at a high speed, the steering is more stable.

• Improve Fuel Economy

The steering pump is no longer powered by the engine, but by an electric motor that operates only when steering assist is needed, enhancing overall fuel economy.