



eC-PTO

Electro-hydraulic module which connects to the high voltage DC supply of an electric chassis. The eC-PTO consists of two parts – a hydraulic unit and an inverter box.

Preliminary specifications. Subject to change without prior notice – 1 February 2022

Features	Active and passive discharge Power derating at low SOC or overheating Safe disconnection of the HV connector	+24 V supply from chassis	24 VDC, 20 A normal automotive fuse
Components	Hydraulic pump, electro-motor, inverter, controller, sensors, dedicated cooling system. Mounting brackets are not included in delivery scope. Please consult the factory for mounting options	Control interface	CAN bus communication with chassis, CAN bus or logic I/O communication between eC-PTO and body application (same protocols and 6 pins Harting connector as used on Banke plug-in E-PTOs)
Continuous power	30 kW	Cooling type	Water/Glycol cooled by integrated radiator/fan system
Peak power	45 kW	Operation temperature	-20°C to +45°C
Operating Voltage	400 or 650 VDC (depending on chassis)	Storage temperature	-28°C to +85°C
Motor Technology	Highly efficient Permanent Magnet motor with variable closed loop RPM control	Optional	Enclosure for motor and pump
Isolation	DC, t = 1 s (routine test, acc. EN 50178) 3000 V DC, t = 1 min (type test, acc. ISO 6469-3) 3100 V	Dimensions (L x W x H)	910x425x330 mm (Hydraulic unit) 750x585x235 (Inverter box)
Integrated hydraulic pump	Load-sense variable displacement pump or Single/double chamber fixed displacement pump	Weight	124 kg (Hydraulic unit) 49kg (Inverter box)