

Parker AC and DC Variable Speed Drive Drives



Parker's **Electromechanical & Drives Division** offers a wide range of AC and DC motor speed controls with over three decades of industry experience. For full catalogs on each product, please visit solutions.parker.com/DriveCatalogs or www.comoso.com

AC10 - A simple, reliable, and economical solution to every-day motor control applications requiring speed or torque control within the power range of 0.25 to 250 HP. Compact footprint and features including, sensorless vector mode and a full 150%/60 sec overload. A solution for machine builders looking for a compact, cost-effective, drive with robust performance. IP20 and IP66 ratings available.



AC30V, AC30P, AC30D - Available in three levels of capabilities, the AC30 family provides exceptional levels of control, from simple open-loop pumps and fans to closed-loop process line applications through 350 HP. Its flexible, modular construction enables a wide range of communications and I/O modules to be added as required. Integrated macros and PLC functionality enable users to create sophisticated control without a separate PLC.

AC690+ "Integrator Series" - A range of AC drives well suited to integrated multi-drive systems. The 32-bit microprocessor based motor control model provides an exceptional dynamic performance platform to which can be added a host of communications and control options, enabling you to tailor the drives to meet your exact requirements. Available in 380-460V 3-phase to 500 HP and 220V-240V to 75 HP.



AC890 - A compact, modular systems drive engineered to control speed and position of open-loop and closed-loop, single- or multi-motor AC induction or servo motor applications. Compatible with a wide range of feedback options, the AC890 may be used with any AC motor and virtually any speed/position feedback options. Available in 380-460/500V 3-phase 0.75 to 500 HP and 220V-240V 3-phase 0.75 to 10 HP.



ENGINEERING YOUR SUCCESS.



AC890PX - A high power drive for AC motors with standard ratings from 150 to 600 HP and available to 2000 HP built to order. It is a standalone unit provided with all of the equipment necessary for new or retrofit applications where a complete enclosed VFD is required. The modular design, featuring plug-in inverter phase modules, makes servicing the AC890PX in the field quick and easy.



DC590+ “Integrator Series” for DC motors, drives well suited to integrated multi-drive systems. Extensive application software (including winder control as standard) together with function block programming and configurable I/O creates a total drive system in a single module. This flexibility in configuration makes the DC590+ an excellent retrofit solution not only for legacy Parker SSD drives, but for competitive brands as well. “DRV” models include fuses and contactor. Available up to 2700 amps.

Feature	AC10	AC30V	AC30P	AC30D	AC690+	AC890/PX	DC590+
Sensorless vector operating mode	√	√	√	√	√	√	n/a
Full flux vector mode (encoder f/b)		Option	Option	Option	Option	Option	
Resolver feedback			Option	Option		Option	
Application macros/Function blocks	Basic	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
Safety Torque Off (STO)		√	√	√		√	
Modbus Server		√	√	√			
Basic web server		√	√	√			
Parker DSE-Lite software	√	√	√	√	√	√	√
Ethernet/IP		Option	√	√	Option	Option	Option
Profinet		Option	√	√		Option	
Modbus client			√	√			
1588 time sync peer to peer comms			√	√			
User customizable web server			√	√			
Virtual master synchronization			√	√		√	
Multi-axis phase locking			√	√	√	√	
Dual encoder inputs				√	Option	Option	
Programmable encoder output				√	Option	Option	
LINKnet compatibility		√	√	√	√	√	√



DSE Lite Software - a free download that allows the user to program, configure, and monitor operation of most Parker drives easily and conveniently from a laptop computer. Get it now... www.parker.com/ssdusa/software



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