

The high dynamic 2 quadrant rectifier is particularly developed for the comprehensive performance evaluation by electrical motors for vehicles.

Due to our modern control with PWM-rectifier (IGBT) we achieve a very good rule dynamic over the complete power range.

Extensively configurable interfaces make the integrations in different system environments possible.

Technical Data		
Rated capacity	kW	up to 500 kW
Rectifier construction		IGBT, PWM, galvanic isolated ($\lambda > 0,98$)
Input voltage	V	230/400, 3-phase, N, PE
Input frequency	Hz	50 (60) \pm 5%
Output voltage (adjustable)	V	up to 1000
Output current	A	6 to 600
Voltage regulation	static	%
Ripple	%	< 0.5 rms (fs)
Current rise time	msec	< 3
Short-circuit characteristic		short-circuit proof
EMC		according to EN 61000-6-4, EN 61000-6-2
Acoustic noise level	dB(A)	50 – 70
Cooling		„AF“ forced air cooling
Overall efficiency at nominal load	%	typical >94% at 220V DC
Permissible ambient temperature	°C	0 to + 40
Permissible climate		moderate climate according to 3K3, EN60721
Permissible operating altitude		1000 m above m.s.l.
Cabinet dimensions	mm	on demand
Protection class		IP 20 according to EN60529
Paint finish		RAL 7035
Monitoring (configurable)		AC-under voltage with switch off DC-over- and under voltage Current limiting Temperature control
Display / operation:		Digital measurement system LC-Display 4-lines Incremental control Intuitive menu navigation Optional: Operation terminal (CAN – Bus)
Remote signal (configurable floating contacts)		On (clearance controller) Operation / Failure Emergency stop
Options:		http, Ethernet, TFT-Display
For your requirements / specifications we are pleased to prepare an individual system configuration		

Subject to change without notice (tech)

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