



TC-MAK Series Thyristor Controlled Charger 12V – 400A
<http://www.mak-powersis.de/12v-400a-battery-charger.html>

Input	Power kVA	5.52kVA
	Voltage	400VAC Default (230V – 380V – 415V - 480V AC) 50Hz – 60Hz Phase + N
	Current	0.08A
	Harmonics	<%7

Output	Power kVA	4.18kW
	Voltage	12VDC
	Current	600A Max (Automatically by Controlling Battery Condition)
	Efficiency	Minimum %85
	Ripple	<%4 (Optional Less)

Control	Technologie	Thyristor Technology
	CPU	Micro Controller Texas Instruments
	Pulse	12 Pulse

GENERAL	Color	RAL7032
	Transformer	Copper
	Timer	Exists Adjustable Working Time
	External Stop	Standard
	Input Protection	Thermionic Magnetic Circuit Breaker
	Over Current Protection	MCCB & Software
	Parallel Operation	Optional
	Dry Contacts	Optional
	Cooling Type	Air Cooled or Oil Cooled
	Remote Controller	50 Meter (Optional)
	Communication	SNMP, RS232, RS485, USB, MODBUS (Optional)
	Working Temperature	0C / +40C Celcius – Batterien 0C – 25C
	Protection Additional	Standard Information
	Over Current Protection	Via Software
	Voice (1m)	<65Db
	LCD	LCD Screen with buttons

Chassis	Width mm	618
	Depth mm	506
	Height mm	828
	Weight kg	71
	Protection Class	IP21