



TC-MAK Series Thyristor Controlled Charger 220V – 600A

<http://www.mak-powersis.de/48v-battery-charger.html>

Input	Power kVA	153.12kVA	
	Voltage	400VAC Default (230V – 380V – 415V - 480V AC) 50Hz – 60Hz	3
	Current	221.7A (Phase)	
	Harmonics	<%7	

Output	Power kVA	133.15kW
	Voltage	220VDC
	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
	Cooling Power	Max 43000
	Standard Protection	EN 62040-1
Standard EMC	EN 62040-2	
Working Altitude	2200 Meter	

Chassis	Width mm	2100
	Depth mm	950
	Height mm	2200
	Weight kg	3500
	Protection Class	IP21