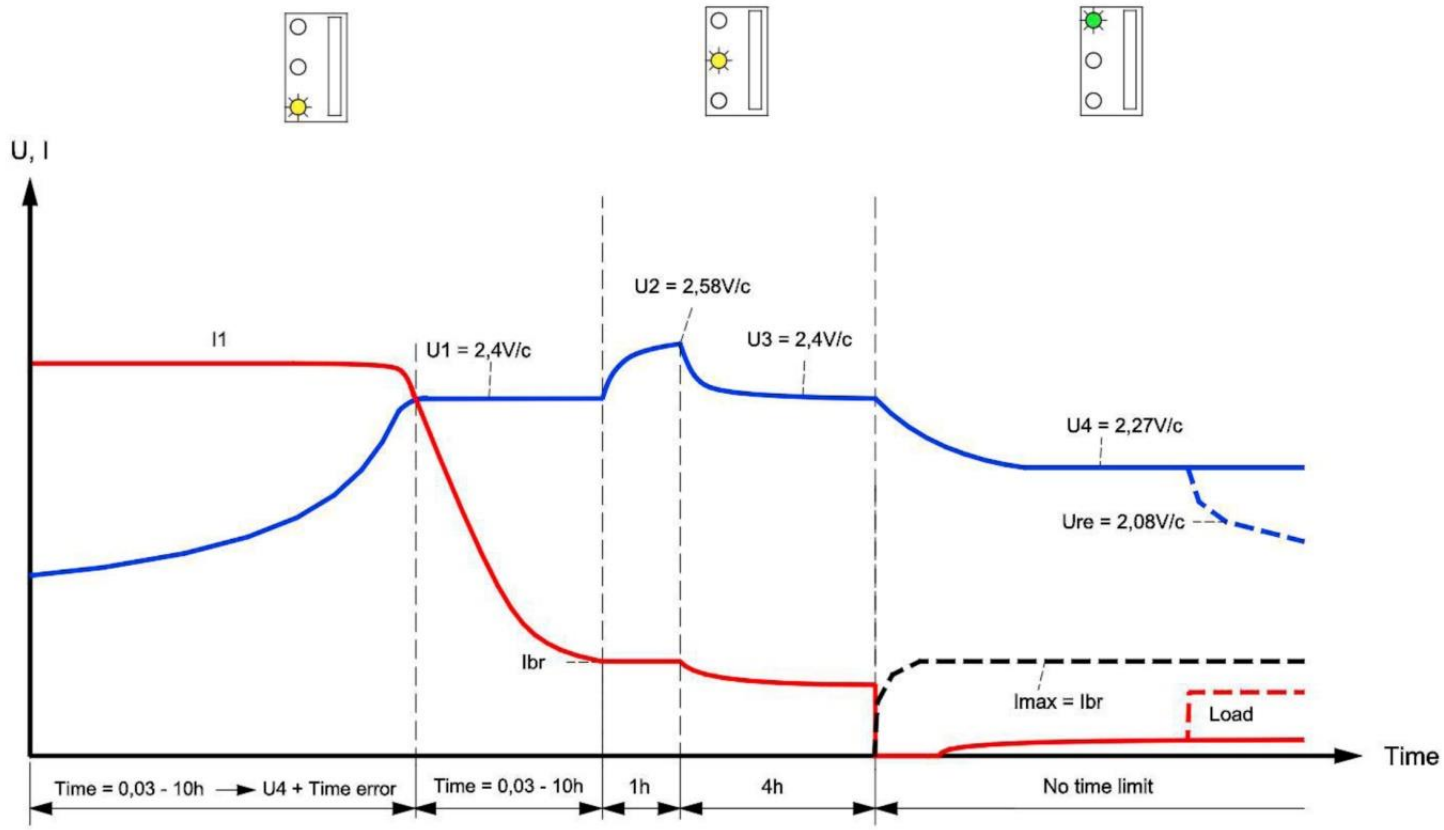
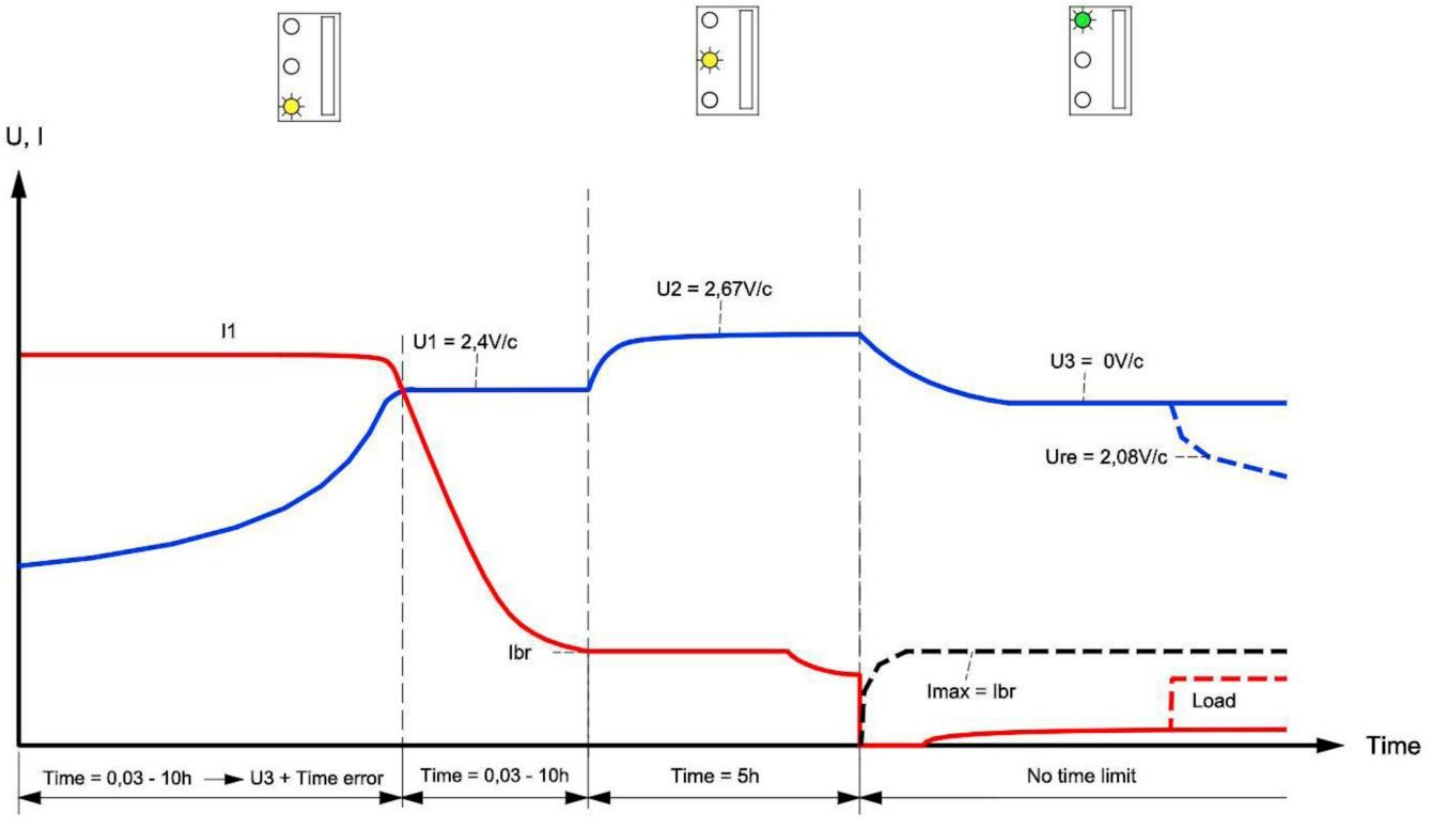
GEL/AGM BATTERIES



TRACTIONARY BATTERIES



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CHARGING INDICATORS

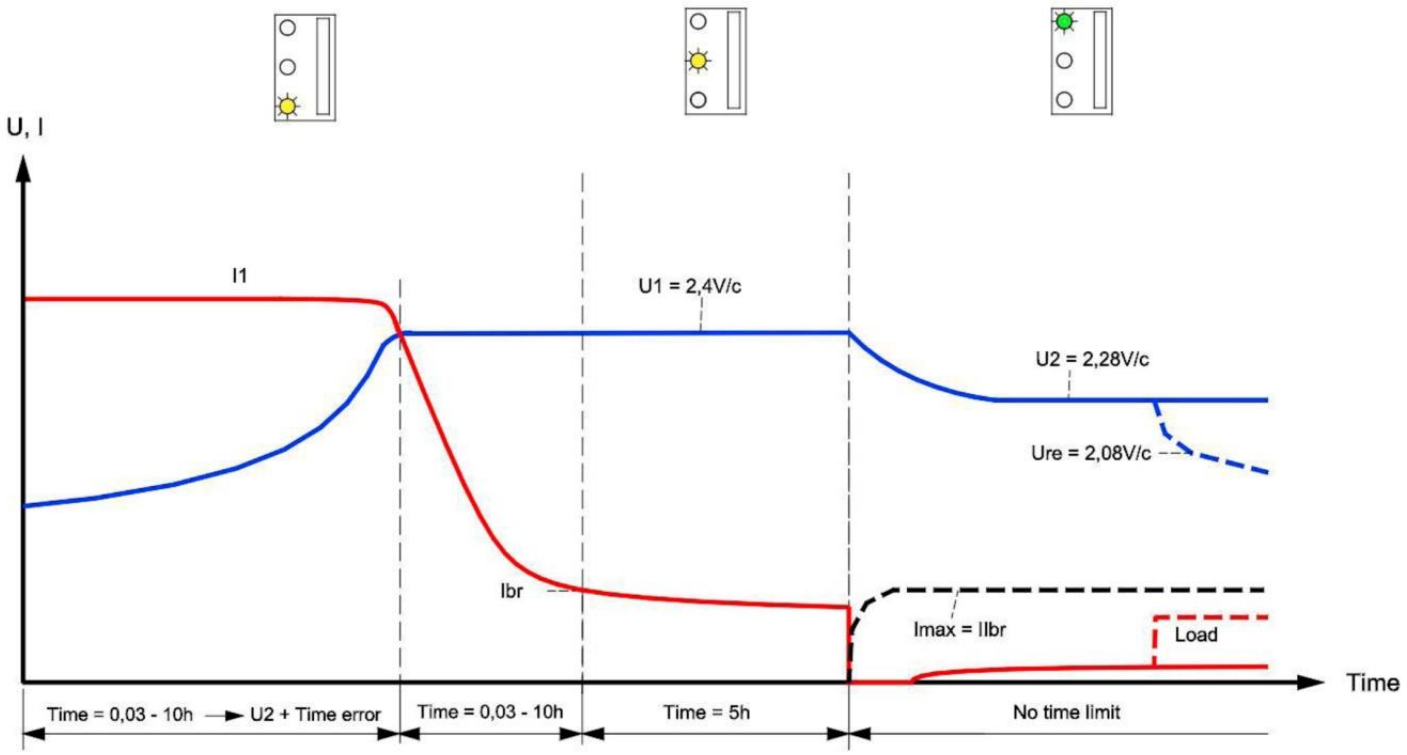
DIODE	EXPLANATION	EVENT
	Yellow lower diode	The charging process will start with max power – I Phase. The current will drop as the battery is recharged. The charging time is determined by the battery size and the degree of discharge.
	Yellow middle diode	When the threshold value (BR) is reached, the internal timer will start the U" phase of the charging process. The U2 phase keeps the charger in the higher charging voltage (14,4V/28,8V) in 4 hours. This ensures recharge and equalize the charge in all battery cells. This action also prevents sulfating of the battery.
	Green diode	Maintenance charge, the voltage drops to 13,7V (27,5V). This loading phase keeps the battery fully charged and the charger can be left switched on in this position over time. Possible parallel load or consumption is supplied from the charger and the battery is kept fully charged. The battery charger can provide full power in this phase.

CHARGING CURVES

The chAmp Charger is designed for charging open- and valve-regulated batteries of different sizes.

You can easily choose charging curves on the "Mode" button.

STANDARD BATTERIES (STD)



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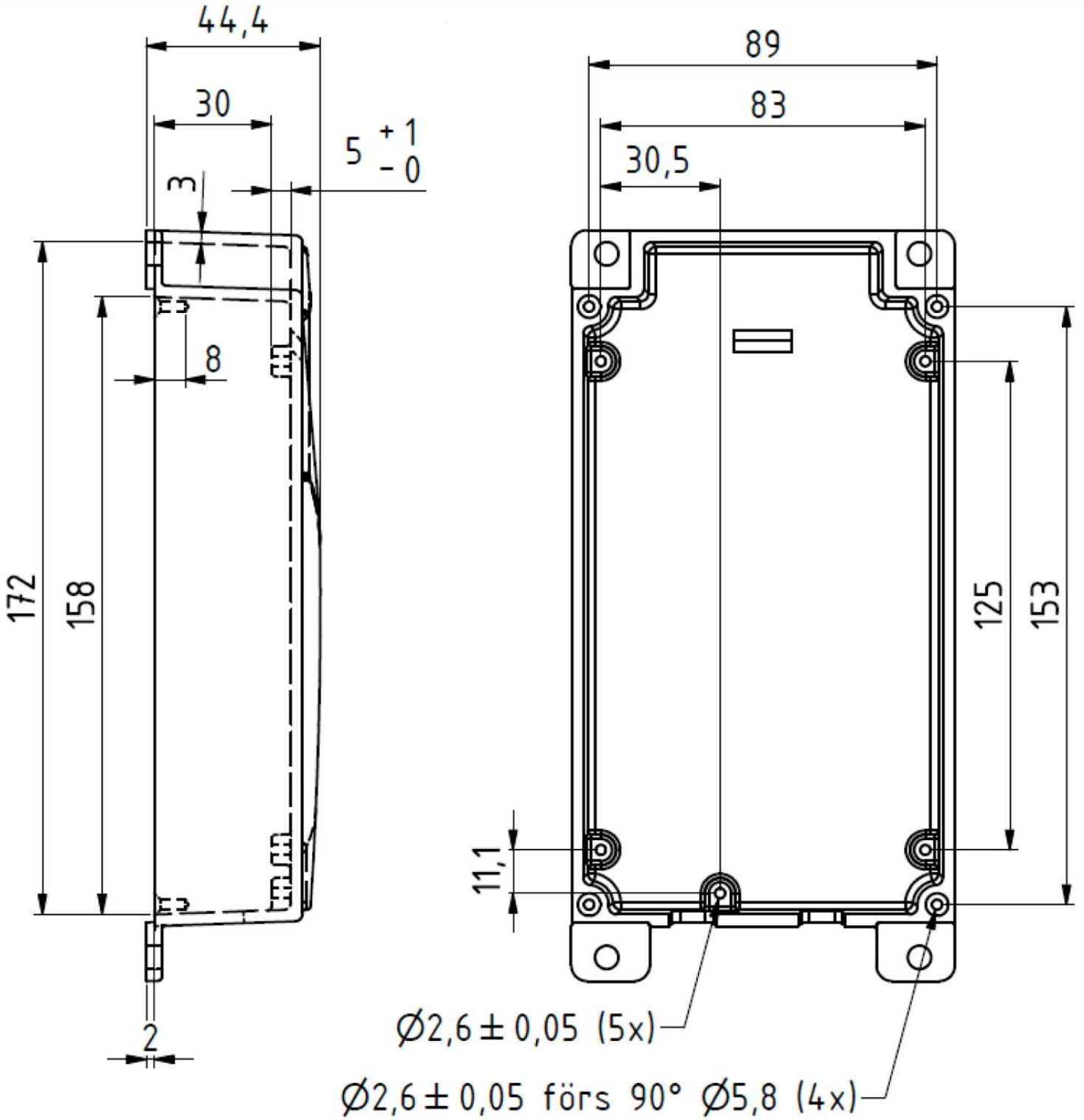

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