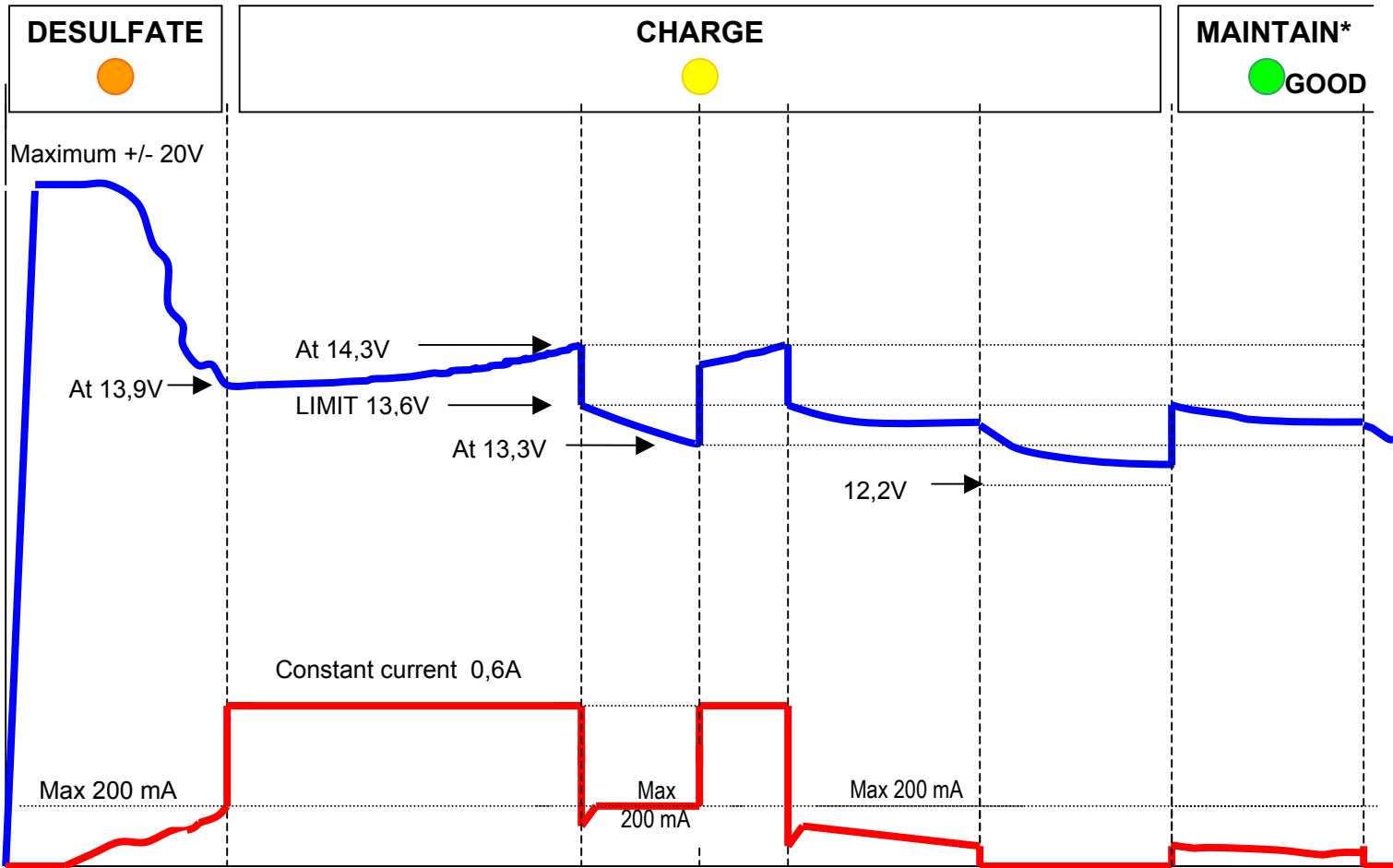


# CHARGING ALGORITHM OF OPTIMATE III / OPTIMATE DESULFATER-CHARGER

. AMPS : VOLTS



RECOVERY MODE ONLY IF BATTERY SULFATED AND NO VEHICLE WIRING SENSED. MAX 2 HRS.

## BULK CHARGE

VERIFICATION PART 1 & SECONDARY DESULFATION (pulsed between 14,3 & 13,3V as many times as battery needs)

VERIFICATION PART 2 - 30 MIN FLOAT STAGE (battery is topped off after completing VERIFICATION stage 1)

SELF-DISCHARGE TEST (no charging)  
 V>12,2V? GOOD ●  
 V<12,2V? WEAK ●

MAINTENANCE FIRST 30 MIN FLOAT, VOLTAGE at 13,6V CURRENT up to 600mA (depends on battery)

### NOTE :

\*MAINTAIN – IF VOLTAGE DROPPED BELOW 12,2V DURING SELF DISCHARGE TEST THE WEAK INDICATION WILL LIGHT. MAINTENANCE MODE CONTINUES IRRESPECTIVE OF GOOD OR WEAK INDICATION, TO PROTECT THE BATTERY AGAINST CURRENT DRAIN CAUSED BY AN ALARM, FAULT IN THE WIRING SYSTEM ETC..