Charging algorithm:

AC ON	Step1 Bulk	Step2 Absorption	Step3 Top charge	Step4	Error1
Ubatt (V)	12,7	12,7-14,4	14,4-16,0	-	-
Ubatt end(V)	>12,6+flat*	14,4	16	<12,4V → step1	-
Tmin	5 min	1 min	1 min	1 min	∞
Tmax	∞	24 hour → Error1	1 hour	72 hours → step1	∞
led	Slow Yellow	Fast yellow	Fast yellow	Yellow	Hysteric yellow
NTC temp sense	-	>120C → V1 off → <100C V1 on	>120C → V1 off → <100C V1 on	-	-
V1 (CHARGER ON/OFF)	OFF	ON	ON	OFF	OFF
V2 (BATT ON/OFF)	ON	OFF	OFF	OFF	OFF
Bypassed MOSFETs	ON				
AC OFF	Ubatt >10,8V	Ubatt<10,8V			
V1 (CHARGER ON/OFF)	OFF	OFF			
V2 (BATT ON/OFF)	ON	OFF			
led	OFF	OFF			
Bypassed MOSFETs	OFF	OFF			
*Flat = When voltage is not increasing 0,2V within 5min go to step2. Or when U at start > 12,6V					