Customer Profile

V03 temporary code

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Approval Situation	Date (d/m/yy)	Approver (Atib Elettronica)
Waiting Customer	06/04/2022	

Approver:

Waiting for confirmation from the Customer

Batt.	Cell	16		Ah	240	Ah	0,33 C	Model	**HFT 48/80**
			51,2 V						
LiFePo4	Vel	3,200		Inom	80	A		AT49	FW:

Code IUa.

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ctrl — W (I) — U — a

(I1), (I), W, I0, I2=I1, I2, V2, I3, STOP, V0, V1, (I), (V)
T0 T1 T2
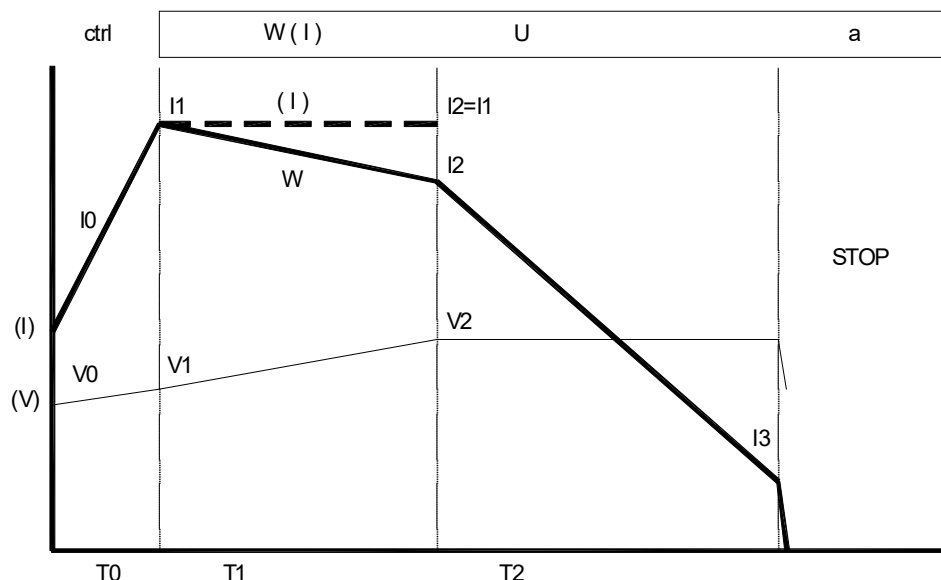
Checking Stage (S0)

I0	0 - 80	A
V0	25,6 - 35,3	V
T0	60	sec

Checks before charging

Vmax	70,1	V
Vmin	25,6	V
Pres	8,2	V

Checks during charging

Imin	1,0	A

Bulk Charge - Stage 1

I1	80	A
V1	35,3	V
T1	210	min

TMax1	720	min
TF1F2		min

Absorption - Stage 2

I2	80	A
V2	57,6	V
T2	120	min

Final Charge or Stop

I3	4,8	A

Post Charge - Stage 4

No Balancing

Note:

Pmax	6.144	W		
Pwr-W	6.144	100 %	I4	2,0 %
Vchg	3,600	Vel		V0 69 %

This document has general validity. Some information may differ depending on the model

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NOTE 1: Control phase (Stage 0)
V0 - Voltage to be reached to go to Stage 1. If it is not reached, it goes into Error or Limits the current to I3 for 3h.
Vmax - Once this value is exceeded, it enters Overvoltage Error.
Vmin - The charger allows recharging, but must reach the V0 value before the end of Stage 0.
Pres - Below this value the battery is considered "not" connected or not present. Between this value and Vmin, it enters Error.
If you want to set a final current value that does not depend on Ah, set Ah = 100. In I4 indicate the desired Current value

NOTE 2: During Charging
Imin - Minimum value of the current supplied (Undercurrent Error). Battery disconnection or internal fuses blown.
TMax1 - Maximum time to stay in Stage 1. If Stage 2 is not reached the charger stops and goes into Error.
T1, T2 and T3 - After this time, the charger forces the passage to the next Stage
T1, T2 and T3 - Generally these times are reduced when certain voltage and current thresholds are reached
T3 - This Stage generally has a duration proportional to the sum of the real times of Stage 1 and Stage 2