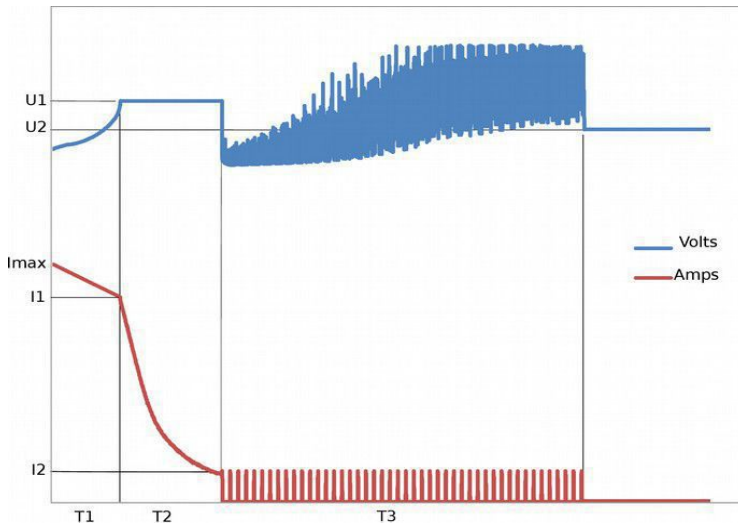


Cantec CHFC-3 24-50 Charge Curve



Model: CHFC-3 24-50 Code: Tx.7h.cf6 $I_{max} = 56A$ $I_1 = 50A$ I_2 set by switch
 T_{1max} set by switch $T_{2max} = 2h$ $T_{3max} = 6h$ $U_1 = 28.8V$ $U_2 = 27.6V$

Requires 115VAC 20A or 230VAC 10A circuit

Switch	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
T1max	4h	3h	2h	90m	70m	60m	60m	50m	50m	40m	40m	30m	30m	20m	20m	20m
I2	10.0	8.0	6.7	5.6	4.6	3.7	3.5	3.2	2.8	2.8	2.6	2.4	2.2	1.9	1.9	1.7
Batt Ah*	170	136	114	95	78	63	60	54	48	48	44	41	37	32	32	29

***Batt Ah** represents the max recommend battery size for a given switch setting, with no load. If a parasitic load is present add that to the I_2 value. For example with a 60Ah battery with no load use $I_2=3.5A$, setting 6. If a 2A load is present use $I_2=5.6A$, setting 3. Achieving recommended I_2 current pulse values during T_3 may require voltage pulses $> U_1$, sometimes as high as 32V. If high voltage pulses cause equipment problems reduce switch setting to reduce I_2 which also reduces voltage pulses. The charger must be power-cycled for the new switch setting to take effect.

LED	Phase	Description
RED	Phase 1 (T1)	Power is held at maximum while voltage rises to U_1
Blinking RED	Phase 2 (T2)	Voltage is held constant (U_1) while current fades to I_2
Blinking YELLOW	Phase 3 (T3)	Current pulses on and off at I_2 until $dV/dt < 10mV/el$ or T_{3max}
Blinking GREEN	Phase 4	Maintain constant voltage (U_2) with current less than $0.14 * I_1$
GREEN	STOP	Charge completed