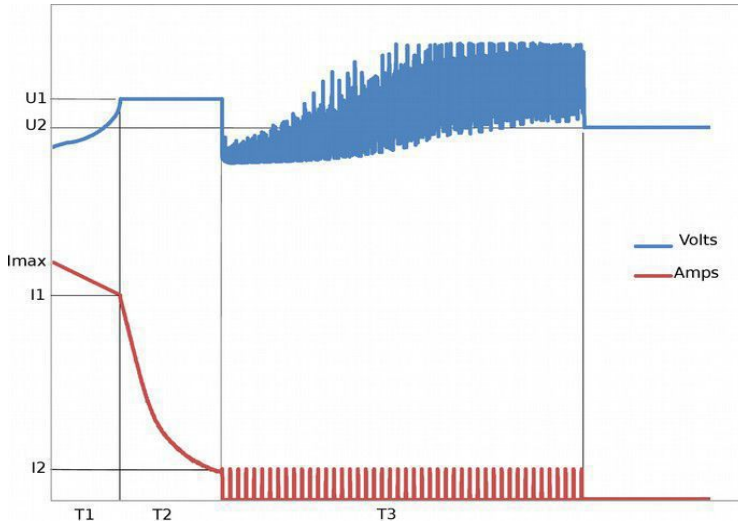


Cantec CHFC-3 24-95 Charge Curve



Model: CHFC-3 24-95 Code: Tx.7h.cf6 $I_{max} = 95A$ $I_1 = 80A$ 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 230VAC 20A 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	18.5	14.4	12	9.9	8.3	6.7	6.3	5.9	5.5	5	4.7	4.3	3.9	3.5	3.4	3
Batt Ah*	315	245	204	168	141	114	107	100	93	85	80	73	55	58	59	<51

***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 107Ah battery with no load use $I_2=6.3A$, setting 6. If a 2A load is present use $I_2=8.3A$, setting 4. 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