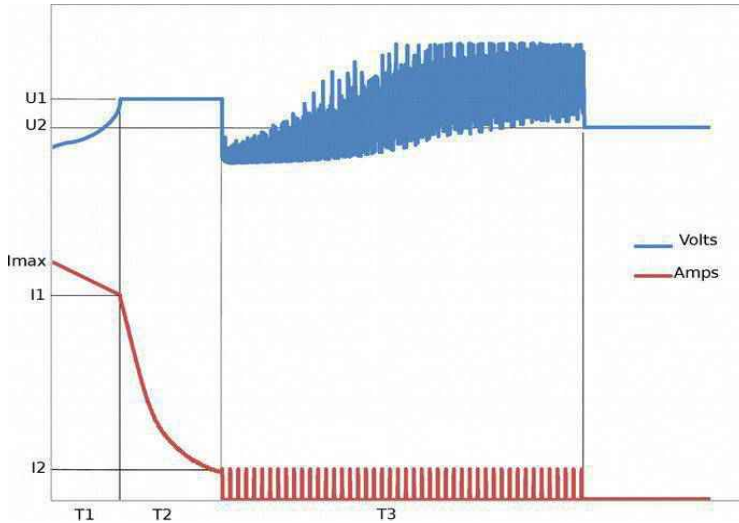


Cantec CHFC-1 24-35 Charge Curve



Model: CHFC-1 24-35 Code: Tx.7h.cf1 I_{max} = 36A I₁ = 35A I₂ set by switch
 T1_{max} set by switch T2_{max} = 2h T3_{max} = 6h U₁ = 28.8V U₂ = 27.6V

Requires 115VAC 15A circuit

Switch	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
T1_{max}	4h	3h	2h	90m	70m	60m	60m	50m	50m	40m	40m	30m	30m	20m	20m	20m
I₂	25.8	21.7	18.2	15.2	12.2	9.2	7.4	6.5	5.1	4.3	3.5	3.0	2.4	2.0	1.3	1.2
Batt Ah*	438	370	310	259	208	156	126	111	86	72	59	49	40	34	22	21

***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 I₂ value. For example with a 72Ah battery with no load use I₂=4.3A, setting 9. If a 2A load is present use I₂=6.5A, setting 7. Achieving recommended I₂ current pulse values during T3 may require voltage pulses > U₁, sometimes as high as 32V. If high voltage pulses cause equipment problems reduce switch setting to reduce I₂ 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/eI or T3 _{max}
Blinking GREEN	Phase 4	Maintain constant voltage (U ₂) with current less than 0.14 * I ₁
GREEN	STOP	Charge completed