

# **CHARGE SMARTER! SAVE MORE!**

## **Transform Your Fleet's Energy Efficiency**

*Xtreme HF Energy Saver: A Winner  
According to MHI Magazine.*



### **BENEFITS**



**Cost-efficient charging  
for consumers.**



**Qualify for energy  
saver rebates.**



**Programmable peak  
energy delay timer.**



**Stagger charge time  
for larger fleets.**



**Multi-Voltage,  
Multi-Amp flexibility.**



**Bluetooth  
Compatible.**

**chargingti.com**

XTREME-HF-ENERGY-SAVER-11282023

  
**CHARGING  
TECHNOLOGIES, INC.**



# ENERGY SAVER

## LATEST TECHNOLOGY

Consider the Xtreme HF Energy Saver Charger by CTI for overnight lift truck battery charging during a single shift. Aligned with U.S. Department of Energy guidelines, it reduces A.C. amp draw during peak hours, achieving a 20% average reduction in peak demand. Employing (10) CTI HF Energy Saver Chargers can add grid capacity equivalent to one U.S. home. This charger supports off-peak charging to reduce energy charges, while maintaining lower demand during peak hours through extended, lower-output rate charging, meeting overall power requirements.

- ✓ **Energy Saver Algorithm:** Proprietary algorithm shortens lead acid battery recharge time, optimizing rates and following BCI specifications to prevent sulfation risk.
- ✓ **DOE Summaries:** Explore U.S. Department of Energy summaries on peak demand savings, aligning with previous initiatives like LED lighting in distribution centers.
- ✓ **Load Balancing:** Low peak demand appliances reduce strain during peak hours, preventing blackouts or brownouts.
- ✓ **Reduced Infrastructure Costs:** Lower demand means less need for costly grid upgrades, potentially leading to lower electricity rates.
- ✓ **Enhanced Grid Reliability:** Low peak demand appliances contribute to a stable grid, benefiting both power companies and customers.
- ✓ **Demand Response Programs:** Power companies reward consumers for using low peak demand appliances through incentive programs.
- ✓ **Avoiding Peak Pricing:** Consumers save money by using low peak demand appliances during peak periods.

- ✓ **Track usage: free mobile app.**
- ✓ **Alerts for battery issues.**

## PROGRAMMABLE FEATURES

- Programmable Peak Energy delay timer for off-peak charging.
- Stagger charge times for larger fleets to avoid peak demands at shift changes.
- Download and monitor energy usage using our free mobile app.

## SMART CHARGER FEATURES

- Smart chargers assist in identify battery issues.
- Multi-Voltage and Multi-Amp output for flexibility in charger locations and compatibility with various batteries.

\*For opportunity and fast charging applications, please see Xtreme HF Literature.



**Bluetooth  
Compatible.**

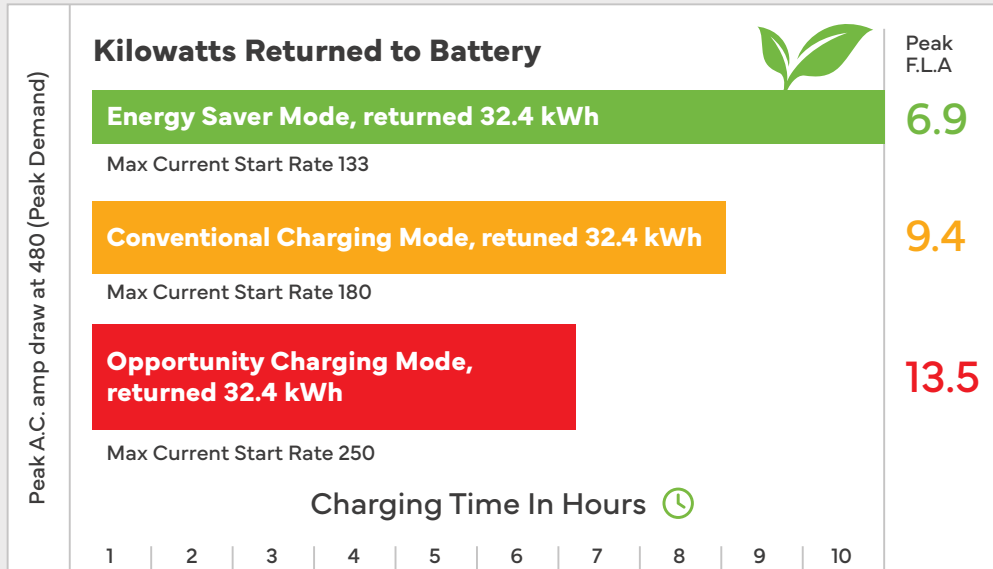
[chargingti.com](http://chargingti.com)

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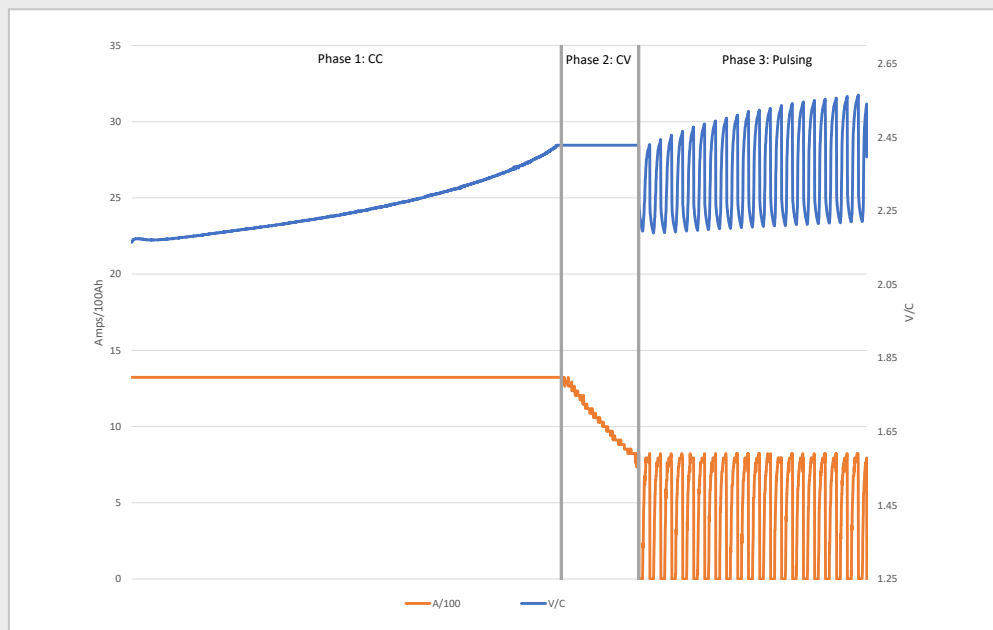
## BY THE NUMBERS

### Typical Energy Saver Graph. Average 20% Lower Peak Demand



Sample battery shown 18-125-17, 1000 amp hour 36 Volt D.C. Discharged 80% and recharged to 100%

### Energy Saver Algorithm



- ✓ Up to 20% peak demand reduction.
- ✓ Proprietary energy saver algorithm.
- ✓ Reduce emissions, lower bills.



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# ENERGY SAVER

## Selector Guide



CELLS	MODEL #	MAX DCA	ENERGY SAVER AH RANGE 8-10HR	ACA @ 240VAC [*D]	ACA @ 480VAC [*E]	ACA @ 600VAC [*AG]	WEIGHT
12	ES24-1B-*3Z	130	975	11.2	4.9	4	60
12	ES24-1A1B-*3Z	200	976 - 1500	22.4	14	6.2	65
12	ES24-2B-*3Z	260	1501 - 1950	22.4	9.8	8	65
CELLS	MODEL #	MAX DCA	ENERGY SAVER AH RANGE 8-10HR	ACA @ 240VAC [*D]	ACA @ 480VAC [*E]	ACA @ 600VAC [*AG]	WEIGHT
12/18/24	ES48-1A-*3Z	50	375	5.6	2.8	2.2	60
12/18/24	ES48-1D-*3Z	100	376 - 750	11.2	7	5.6	60
12/18/24	ES48-1A1D-*3Z	150	751 - 1130	16.8	9.8	7.8	65
12/18/24	ES48-2D-*3Z	200	1131 - 1500	22.4	14	11.2	65
CELLS	MODEL #	MAX DCA	ENERGY SAVER AH RANGE 8-10HR	ACA @ 240VAC [*D]	ACA @ 480VAC [*E]	ACA @ 600VAC [*AG]	WEIGHT
36/40	ES80-1A-*3Z	30	225	×	2.8	×	60
36/40	ES80-1D-*3Z	60	226 - 450	×	7	5.6	60
36/40	ES80-1A1D-*3Z	90	451 - 675	×	9.8	×	65
36/40	ES80-2D-*3Z	120	676 - 900	×	14	11.2	65



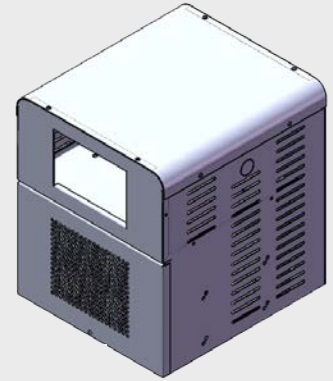
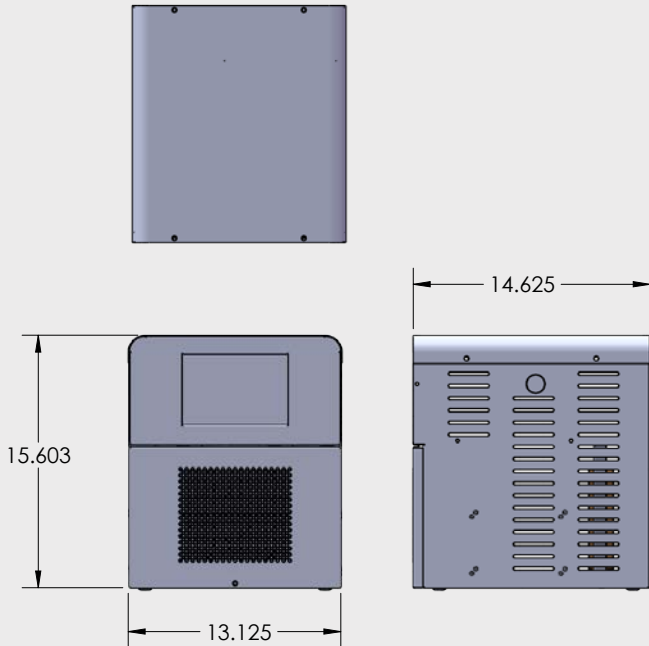
Empowering Industries  
for 50 Years



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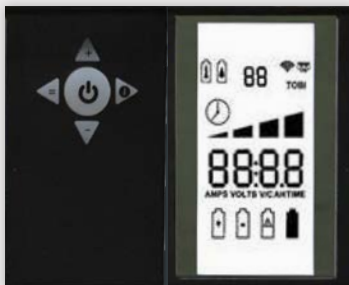
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CASE 905

CASE DIMENSIONS = # FOR 905

CASE	HEIGHT		WIDTH		DEPTH	
	IN	CM	IN	CM	IN	CM
905	15.6	39.62	13.13	33.34	14.63	37.15



## CHARGER COMMUNICATION

- P46-305 Control
- Wireless
- Communication from charger to computer.



## BATTERY COMMUNICATION

- TOBi PI BLuE
- Communication between battery and charger and battery and computer.



**Transform Your Power,  
Empower Your Fleet.**

Contact us for **Xtreme HF  
Energy Saver** efficiency!

**Phone:** 314-739-1414

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