CTEK I-2440

INDUSTRIAL CHARGING FOR A RANGE OF BATTERY TYPES

The CTEK I-2440 has 15 on board charging curves which can be freely combined together and features automatic reconditioning for deeply discharged batteries using a special charging algorithm, Drive Off protection and integration for NC and NO contacts. The CTEK I-2440 also has intelligent cable loss compensation for even faster charging and uses advanced technology for its high frequency switch mode. With conversion efficiency up to 94%, the CTEK I-2440 means low CO_2 emissions and lower power usage in general.

FEATURES

- Suitable for all standard lead acid, AGM and GEL batteries from as low as 0.5V
- 15 on board charging curves
- Charge current: 40A
- Easy to read LED display
- Automatic reconditioning for deeply discharged batteries
- Drive Off protection
- Low CO2 emissions and power usage
- IP64 rated
- 2-year warranty

CTEK | MAXIMIZING BATTERY PERFORMANCE

CTEK I-2440

TOUGH AND ROBUST
The I2420 and I2440 industrial chargers have been developed for use in even the harshest, hottest environments. Constructed of black anodised aluminium, these robust chargers are completely sealed units fitted with vibration absorbers to further protect the unit. IP64 rated (water and dust proof), and supplied with a two-year warranty the I-Series range of chargers are built for long life.

TRANSFORMING PERFORMANCE
Unique 'Resonant Converter' transformer technology delivers high levels of current, with 94% efficiency, for optimum charge levels in the shortest possible time. This unique approach to charging enables the I2420 and I2440 chargers to work in extreme temperatures of up to 40°C without de-rating (reducing) charge levels, and at even higher temperatures with reduced output current.

FLEXIBILITY
Both chargers have room for many different charging programmes for different battery types, sizes and vehicle behaviours, they are suitable for all types of 24V battery including normal wet/flooded, Calcium (Ca/Ca) and Gel, AGM, EFB and also Lithium LIFePO4. And if the battery needs to be swapped out for a different battery type, you don't need to swap out the charger – the charger can be re-programmed.

Both the I2420 and I 2440 charges batteries from as low as 0.5V and automatically revives deeply discharged batteries.

USER, VEHICLE AND BATTERY SAFETY
Advanced electronics mean that I2420 and I 2440 chargers are safe for permanent installation. Drive-off protection ensures that the vehicle won't start if it is connected to the charger whilst reverse polarity and over voltage protection protect the battery. There is a built-in temperature sensor to ensure that the battery won't overheat.

The I-Series range of chargers is completely safe for the battery, the vehicle and the user.

CLEAR, SIMPLE DISPLAY AND ANALYSIS
A series of LED lights show the state of charge of the battery, so you know when it's time to charge, and if the charger is mounted somewhere difficult to access or see, a remote 2.5M or 5M LED wire is available as an accessory. The I2420 and I2440 chargers logs the last 200 charge cycles, including incomplete cycles, which can be downloaded by CTEK for analysis.

DOES THE THINKING FOR YOU
With the I-Series, you can simply connect and forget. Both the I2420 and I2440 can be left connected for unlimited periods of time with no risk of damaging the battery.

TECHNICAL SPECIFICATION

Input	230 Vrms ±10%
Power factor	=1
Conversion efficiency	Up to 94%
Nominal battery voltage	24V
Charge Current	40A
Ripple Voltage*	<100mVpp
Insulation	IP 64
Warranty	2 year warranty
Size of charger in mm	281x235x85
Part.nr	88875230

*Charging old battery with 40% capacity.

GUARANTEED QUALITY WITH CTEK
CTEK customer support is available to answer any questions related to charging and CTEK chargers. Safety, simplicity and flexibility characterizes all products and solutions developed and sold by CTEK.

CTEK supply chargers to more than 70 countries throughout the world. CTEK is also a reliable OEM supplier to many of the world's most prestigious car and motorcycle manufacturers.

For more information visit
WWW.CTEK.COM

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