

ADVANCED 24V BATTERY SUPPORT AND DIAGNOSTICS FOR HEAVY-DUTY VEHICLES

Robust, reliable, and fully autonomous – the CTEK PRO 2440 offers top-tier 24V battery charging for advanced diagnostics and programming tasks.

AUTONOMOUS CHARGING FOR PROFESSIONALS

The CTEK PRO 2440 is a high-performance, fully autonomous 24V battery charger designed for professional use in complex vehicle systems. Featuring MODESHIFT™ technology, it automatically detects battery size, chemistry, and condition to deliver optimal charging or power supply—no buttons or settings required. Its rugged, IP64-rated housing provides protection against dust, moisture, and harsh environments, while the fanless cooling system ensures quiet, efficient operation. Seamless switching between charge and supply modes makes it ideal for diagnostics, programming, and flashing tasks.

BUILT FOR ADVANCED APPLICATIONS

The PRO 2440 excels in programming and diagnostics. Its robust IP64-rated housing withstands tough conditions, while fanless cooling allows quiet operation. Backed by award-winning Swedish engineering, the CTEK PRO series gives you confidence with every connection. These chargers are trusted by workshops and OEMs worldwide for their reliability, performance and ease of use – with seamless integration into any professional environment.

- MODESHIFT™ auto-selects battery type, size and charge mode
- Zero setup – just connect and charge or supply power
- IP64-rated flat design for under-vehicle or bench use
- Fanless cooling for quiet, efficient operation
- Auto-switch between charge and power supply (1240/2440)
- Ideal for diagnostics, flashing and programming
- Anderson, RJ45 and RS485 connectivity options
- Built for showrooms, workshops and garages
- Safe for all 12V and 24V lead-acid and lithium batteries
- Swedish quality – trusted by leading OEMs worldwide

PRO 2440



TECHNICAL DATA

INPUT	220-240 VAC, 50-60 Hz, 7.0 A
OUTPUT	28.8 V, 40 A
BATTERY TYPES	24 V: WET, can be customized for AGM, GEL, LiFePO ₄
BATTERY CHEMISTRY	Lead acid, Lithium-ion
START VOLTAGE	0.5 V
AMBIENT OPERATING TEMPERATURE	-20 °C to +50 °C (- 4 °F to +122 °F)
DEGREE OF PROTECTION	IP64
BATTERY CAPACITY	80-1100 Ah
BACK CURRENT DRAIN*	Corresponding to less than 7 Ah/month
RIPPLE**	Less than 4 %
POWER SOURCE	220-240 V -> 24 V
BATTERY VOLTAGE	24 V
WARRANTY	2 years

*) Back current drain is the current that drains the battery if the charger is not connected to the mains. CTEK chargers have a very low back current.

**) The quality of the charging voltage and charging current is very important. A high current ripple heats up the battery which has an aging effect on the positive electrode. High voltage ripple could harm other equipment that is connected to the battery. CTEK battery chargers produce very clean voltage and current with low ripple.

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