

TRUCKSTART ULTRACAPACITOR STARTING MODULE



Alternator Vehicle Load Starter TRUCKSTART + Battery

CAP-XX Ltd

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Battery Support Module

APPLICATIONS

- Medium Duty Trucking(up to 13L engine)
- Delivery With Stop/Start Idle Reduction
- Marine
- Generator Starting

FEATURES

- Made in USA
- 3/8" SAE Terminals
- RoHS Compliant
- Long Life
- Bluetooth Interface
- Multiple Safety Features
- BCI Group 31 Size

BENEFITS

- Increase Starting Reliability
- Increased Efficiency
- Rapid Payback
- Eliminates Battery Related Operation Disruption
- Doubles Battery Life
- Doubles Starter Life
- Built-in "Jump Start" With App
- <10 Minute Installation

MOUNTING RECOMMENDATIONS

Do not reverse polarity. Must be used in parallel with 12V battery. User manual available at CAP-XX.com. Contact your CAP-XX representative for ordering and application information regarding sizing. Use anti-corrosion compound on terminals during installation.

MARKINGS

Products are marked with the following: Rated Voltage, Product Number, Serial Number, Name of Manufacturer, Positive and Negative Terminal Marking



TRUCKSTART "MD" SPECIFICATIONS

ELECTRICAL/PART NUMBER	uST12V0375G31-MDA
Cold Cranking Amps (3sec@0°F) [Nom]	700
Voltage (Rated) [V _R]	9-16
Reverse Polarity Protection (V)	-30
Over Protection (V) DC ESR 10ms (mO) [Nom/Max]	+50
Standby Consumption @ 12V (mA) [Nom]	<15
Initial Charging Time (min) [Nom/Max]	9/25
Recommended Applications (Engine Size L)	<13
CYCLING	
Recharge Time 1 Start(s) [Nom/Max]	30/240
Recharge Current (A) [Nom/Max]	15/21
THERMAL (Reference)	
Operational / Storage Range (C°)	-40 to 65 / -40 to 70 (4Years)
PHYSICAL (Nominal Values)	
Dimensions	330mm(13") x 173(6.813") x 240mm (9.438")
Weight	13.6kgs(30lbs)
Terminal Fastener Size / Torque Range	SAE 3/8" - 16 / 17-22.5Nm (12.5 -16.6ft*lbs)
STANDARDS COMPLIANCE	
Safety/Environmental	UL810A, IP67, ISO 16750-4
Shock	SAE J1455, MIL Std 810e
Vibration	ISO 16750-3 Table 12

Typical Engine Cranking Voltage With/Without uSTART® (6L Delivery)



- TRUCK**START** establishes a higher system voltage and reduces battery cycling, increasing battery life.

- Higher system voltage increases life of electronic components (relays, engine control modules, etc.).

- The engine starts faster with TRUCK**START** reducing stress on the starter, therefore increasing its life.

 Minimum system voltage during cranking is incresed by ~ 3.0V.

② Average system voltage during cranking increased by 1.8V.

③ Starting time is reduced by 40%.