

Starting Class 6–8 Trucks with Ultracapacitors

Battery-Based Starting Challenges

Ultracapacitor-Based Starting Advantages



Batteries have too many loads placed on them

including sleeper loads, telematics, onboard computers



Extreme cold weakens batteries

most likely resulting in jump-start costs and lost time on the delivery



Drivers tend to idle their trucks

due to unreliable starting with batteries



Provides burst power to start the engine

so that batteries are free to power other loads



Increases output voltage as temperatures drop

ensuring successful cold weather starts



Gives drivers the confidence that they can start/stop as often as needed

resulting in fewer idling hours and unnecessary fuel consumption

