

PANA-PACIFIC





Engine Start Modules

Example product overview and introduction text.

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Increases Uptime

Effectively Eliminates Jump Starts

Cranks in Temperatures up to 149°F and as low as -40°F

Low Weight Increase Payload

Starts Truck Even when Batteries are Severely Discharged

Decreases Battery Replacement Costs

Lowers Fuel Cost Due to Idle Reduction

Two Models Available - Heavy Duty and Medium Duty

Top Movers - (Insert Product Name)

Part Number	Description	Dimensions (L X W X H)	Product Weight	Diesel Engine Size	Input Voltage	Output Voltage (Max)	Peak Power	Cold Cranking Amps	Recharge Time	Terminals
PSO ULTRA31 1800	Ultracapacitor, Engine Start Module Heavy Duty	13" X 6 13/16" X 9 7/16"	21 lbs.	7 L - 16 L	(B+) 10- 18 V	16.2 V	32.8 kW	1800 CCA (3 second crank)	20 minutes (recharge from battery at 10 amps)	SAE Type A post 3/8" thread
PSO ULTRA31 900	Ultracapacitor, Engine Start Module Medium Duty	13" X 6 13/16" X 9 7/16"	16 lbs.	4 L - 9.9 L	(B+) 10- 18 V	16.2 V	16.4 kW	900 CCA (3 second crank)	8 minutes (recharge from battery at 20 amps)	SAE 3/8" - 16 UNC

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ESM features:

- One ESM replaces one lead acid battery in the battery bank
- Industry standard group 31
- -40°F to +149°F (-40C to +65C) operating temp range
- Weighs only 21 pounds (part number: PSO ULTRA31 1800)
- No lead and no acid

Warranty Information

FOUR YEARS OF WARRANTY COVERAGE - (no pro rate)

Pana-Pacific Contacts

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