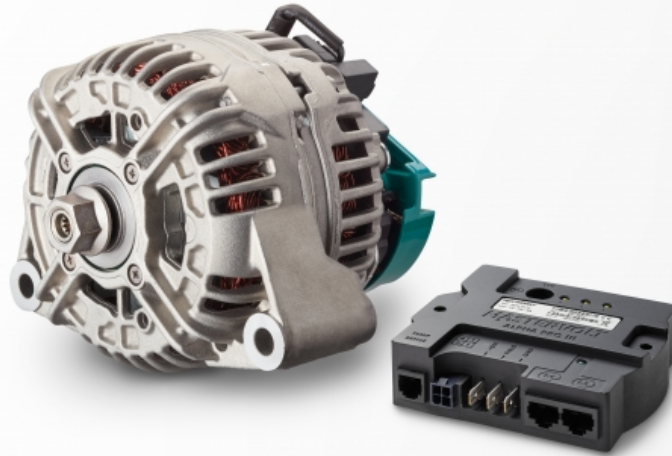


Alpha Compact 14/120



Product code: 46614120

Alpha Compact alternators are optimized to deliver continuous high power output in energy storage applications. Combined with our Alpha Pro regulators, they create a high performance, plug-and-play charging solution. This combination is suitable for all battery types, including Lithium Ion.

Alpha Compact "automotive style" alternators provide an easy fit on factory-installed PTO (power take-off) brackets available from most engine manufacturers. If space is limited, Alpha Compact can also be used to exchange the stock alternator for a more powerful model.

High performance plug & play alternators

Compared to conventional alternators, Alpha Compact offers lower weight, smaller dimensions and reduced fuel consumption. This is made possible by its open construction with double internal fans. An integrated temperature sensor controls the operating temperature.

Models

The Alpha Compact series consists of 4 models in both 12 and 24 V. Special models for Volvo Penta engines are under development. Ask your account manager for solutions for your application.

Accessories

Freewheeling multigroove pulleys are available in various diameters and widths for an optimal pulley ratio and belt alignment. Exception to the rule is the Alpha Compact 14/200, which comes with a multigroove pulley as standard.

Isolation bushings - the negative pole of Alpha Compact alternators connects to the housing. Isolated operation is possible by installation of isolating bushings.

Modern Euro 5/6 engines include an auto start/stop system. Multiple solutions are available to detect a running engine.

Applications

Worldwide use in marine, mobile, infrastructure and industrial applications.

Features

- Plug and play solution, with Alpha Pro III regulator included.
- Up to 40 % lighter and 25 % more compact than conventional alternators.
- Up to 40 % lower fuel consumption.
- OEM quality with optimized material composition.
- Suitable for use in high temperature areas.
- Cable and electronic parts protected against oil, moisture and dust.
- Engine RPM signal.
- Wide range of accessories available.
- Easy installation.
- Full 2 year warranty.

Specifications

General specifications

Charge regulation	an Alpha Pro III charge regulator comes standard with all models
Isolated operation	yes, with optional isolation bushings
Rotational direction	clockwise
Galvanic isolation	non-isolated
Cooling	integrated dual fan
Mounting	swivel arm
Pulley included	no
Weight	6.7 kg 14.8 lb

Technical specifications

System voltage	12 V
Nominal current (at 6000 rpm, 25 °C)	120 A
Charge current (at 1800 rpm, 25 °C)	70 A
Cut-in speed	1300 rpm
Max. rotational speed	20.000 rpm
Power Take Off (kW / hp)	3,4 / 4,5
Max. operating temperature	110 °C 230 °F
Connections	positive output stud = 2x M8; W (rpm) signal connection = isolated fast-on; field current connection = Mastervolt plug
Temperature sensor	integrated, RJ12 connection