

Secop introduces new BD250GH.2 Compressor for 48 V DC

Secop will introduce an improved version of BD250GH 48 V DC for telecom applications; mainly battery cooling. The compressor is designed for stationary use only.

The type designation of the new compressor will be BD250GH.2 (Fig. 1) to indicate that it is a new generation of the former BD250GH compressor.

All outer dimensions of the compressor and of the new electronic unit will stay the same, as well as electric connectors.

Improvements

The new BD250GH.2 has been improved in cooling capacity and COP. This has been achieved by a re-design of several inner parts of the compressor on the motor side as well as on the pump side.

Rating point of cooling capacity in data sheet has been changed from 56 V DC to 53 V DC (compressor performance is identical at both voltages).

Reason is that this is the nominal voltage in telecom systems when charging batteries, refer to charging curve in Fig. 2. Comparison of both compressors generations at CECOMAF conditions:

Test Conditions T _{evap} = 15°C T _{cond} = 55°C highest speed	New generation BD250GH.2	Current compressor BD250GH	Improvement
Cooling Capacity	472 W	377 W	20 %
COP	2.41 W/W	2.27 W/W	6 %

Approvals

The new compressor and electronic unit will have UL approval according to standard 60335-2-34, file number: SA3693, Vol1., SEC 11.

Code numbers

The compressor and electronic unit have been assigned with new code numbers.

Compressor:

BD250GH.2 101Z0405 (150 pcs. on a pallet)

Electronic Unit:

Single pack: 101N0732

I-pack (36 pcs.): 101N0733

Compatibility

The BD250GH.2 and its electronic unit 101N0732 will not operate with components of the previous generation and vice versa.

Release date, prices

The compressor and electronic unit will be released in week 50, 2013. Prices will remain the same.

Stock

Stock of the current BD250GH (101Z0402) will not be replaced but be sold until stock runs out.

End of life of BD250GH compressor (101Z0402) and its electronic unit 101N0730 will be 1st of July 2014.

Secop GmbH

Mads-Clausen-Str. 7
24939 Flensburg
Germany
Tel: +49 461 4941 0

www.secop.com



Fig.1 Secop BD250GH.2 compressor with electronic unit

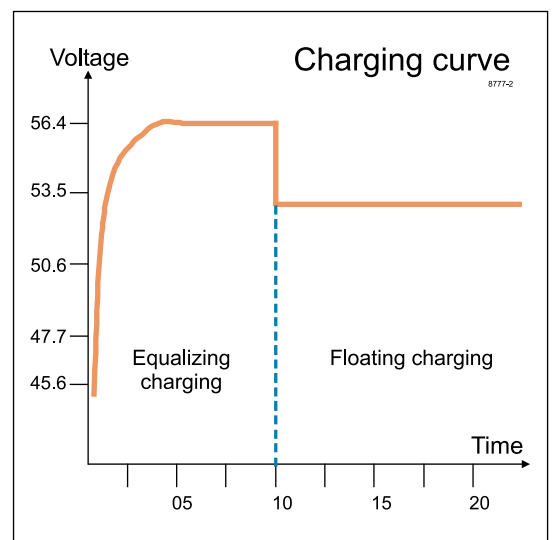


Fig.2 Charging curve

Secop can accept no responsibility for possible errors in catalogues, brochures and other printed material. Secop reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without subsequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Secop and the Secop logotype are trademarks of Secop GmbH. All rights reserved