



WITTENSTEIN

motion control



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WITTENSTEIN, Inc.
1249 Humbracht Circle
Bartlett, IL 60103
USA

Tel. +1 630 540-5300
info@wittenstein-us.com

WITTENSTEIN – one with the future
www.wittenstein-us.com

WITTENSTEIN Auxiliary Power Unit 28VDC

Customized
Reliable
Compact

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WITTENSTEIN 28VDC Power-Genset VSCF generator technology

MIL-Standard
compliant!

The WITTENSTEIN 28VDC Power-Genset is a VSCF generator technology developed for battery charging with military standards in the range FROM 2 – 5 kW.

It serves the direct supply of VDC-consumers and for charging and buffering of 24V-lead-acid battery. Optional for rechargeable batteries like nickel-cadium, nickel-metal-hybride, Lithium-Polymer, Lithium-Ion etc. With the WITTENSTEIN 28VDC Power-Genset a multifunctional use as an independent energy source is possible. It can be integrated as a system genset in a vehicle or as an addition, up- or under construction.

Across the automatic adaption of the speed to the power demand there are following advantages:

- Reduction in fuel consumption
- Reduction of the containment and particulate emissions
- Reduction of the noise emission in the middle and lower speed range
- Lower life cycle costs due to reduced fuel consumption an extend service intervals

All requirements and stadards of the NATO are fulfilled with the WITTENSTEIN 28VDC Power-Genset. It is able to run with all the NATO Fuels, F63, F54, F34 also with Jet A1 and Diesel.

Type specifications	
Type	DL5HA15-30 I04H-DC
Design	4, in casing
Power (cont.)	2 - 5 kW
Conditions	-32°C - +49°C, 2000 m above sea-level
Voltage DC	22 - 28 V (adj.)

Control	Autostart ECU
Drive motor	HATZ1B50
Voltage Tolerance	+/-5%
Rated current AC	178 A
Speed	1500 - 3100 rpm
Alternator	PM-Alternator integrated
Fuel consumption	Single Fuel F63/Diesel; Jet A1
Fuel pump	installed fuel pump is able supply from max. 1 m
Battery	External from vehicle

Dimensions	Redesign for installation in the available space in the vehicle. Additional space for ventilation, Air inlet and outlet and exhaust has to be defined and ar not included.
Approx. weight	120 - 150 kg



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