

# Auxiliary power unit 70 kVA / 13 kW and 30 kVA



- Modular based concept for converters with wide spectrum of selectable options
- Input voltage range of 400V through 1000V DC
- Dead battery start
- Shop power supply
- Additional single-phase output 230V / 4 kVA
- Service-friendly: All modules are easily accessible
- Extended temperature range for universal application
- CAN-Bus Interface

**References: Alstom Tramway, Platform Citadis**



**POWERTECH**

# TECHNICAL DATA

## CONVERTER 30 KVA

Type: U750DC/400AC3/P30/F50

### DC Input

Rated voltage	750 V DC
Operation range	400 - 1000 V DC

### AC Output

Rated voltage	3 x 400 V AC $\pm$ 5%
Frequency	35 - 60 Hz
Rated power	30 kVA
Overall efficiency	> 90%

### Mechanics

Dimensions (length x width x height)	1400 x 450 x 390 mm
Weight	138 kg
Mounting position	Roof
Cooling	Forced cooling
Protection	IP54
Temperature range	-25 ... +55 °C

## CONVERTER 70 KVA

Type: U750DC/400AC3-400AC3/P13-57-13/F50

### DC Input

Rated voltage	750 V DC
Operation range	400 - 1000 V DC

### AC Output

Rated voltage	3 x 400 V AC $\pm$ 5%
Frequency	AC1 = 50 Hz, AC2 = 40 - 65 Hz
Rated power	Inverter 1 = 13 kVA, Inverter 2 = 57 kVA

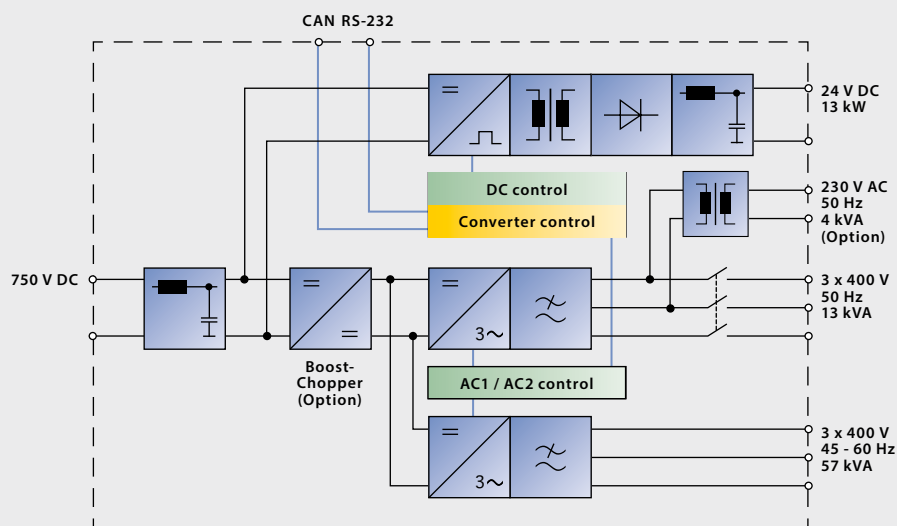
### DC Ausgang

Rated voltage	24 V DC $\pm$ 1%
Rated power	13 kW
Overall efficiency	> 90%

### Mechanics

Dimensions (length x width x height)	1400 x 1400 x 500 mm
Weight (option-based)	400 ... 495 kg
Mounting position	Roof
Cooling	Forced cooling
Protection	IP54
Temperature range	-25 ... +55 °C

## BLOCK DIAGRAM



### Knorr-Bremse Powertech GmbH

Am Borsigturm 100  
13507 Berlin, Germany  
Tel.: +49 30 297725 0  
info.berlin@kb-powertech.com

### Knorr-Bremse Powertech GmbH & Co. KG

Ohmstraße 1  
83607 Holzkirchen, Germany  
Tel.: +49 8024 990 0  
info.holzkirchen@kb-powertech.com

### Knorr-Bremse Powertech Corp. USA

300 International Drive, Suite 2  
Mount Olive, New Jersey 07828, USA  
Tel.: +1 973 527 6060  
info.usa@kb-powertech.com

### Knorr-Bremse Powertech China

Building 4, Jingxi Industry Park  
2 Jingui Road, Hudai Town, Binhu District  
214161 Wuxi, Jiangsu Province, PR China  
Tel.: +86 510 6888 0513  
info.china@kb-powertech.com

sales@kb-powertech.com  
WWW.KB-POWERTECH.COM  
WWW.KNORR-BREMSE.COM