Product development matching to our customers needs...

CONFIGURATIONS:

The ***SYSTEM 7000*** Power Converter is delivered in a 19-inch rack mount cabinet (3U high) the following configurations:

DF7000 Models 0.75 and 1.5 kW			
Model Number	Vout (Volts)	Iout (Amps)	Stability (ppm)
DF7000-75-20	+/- 75	+/- 20	100
DF7000-35-20	+/- 35	+/- 20	100

Ordering Information :

Model	Voltage	Current	AC Input	Control	Mounting
DF7000	See above	See above	See Note #1	See Note #2	See Note #3

Note #1 (AC Input):
- "208": 190-253 VAC 3 phase 47-63 Hz (standard)
- "400": 360-440 VAC 3 phase + neutral 47-63 Hz (option)

Note #2 (Control Interface):
- "232" : Iout controlled by remote RS232 programming (standard)
- "422" : Iout controlled by remote RS422 programming (option)
- "Eth": Iout controlled by remote Ethernet programming (option)

Note #3 (Mounting)
- "MK" : With mounting kit for easy installation/servicing in a 19" rack (100% extension slider) (option)
- " " : Without mounting kit (standard)

Easy for you when ordering...

Example: DF7000-75-20/208/232//
- Model: DF7000 (DANFYSIK SYSTEM 7000 Bipolar Power Converter)
- Vout: +/- 75 V
- Iout: +/- 20 A
- AC Input: 190-253 VAC 3 phase 47-63 Hz
- Control Interface: Iout controlled by remote RS232 programming
- Mounting: No mounting kit

DANFYSIK A/S · Møllehaven 31
DK -4040 Jyllinge · Denmark
Tel.: +45 46 79 00 00 · Fax: +45 46 79 00 01
E-mail: sales@danfysik.dk
www.danfysik.dk

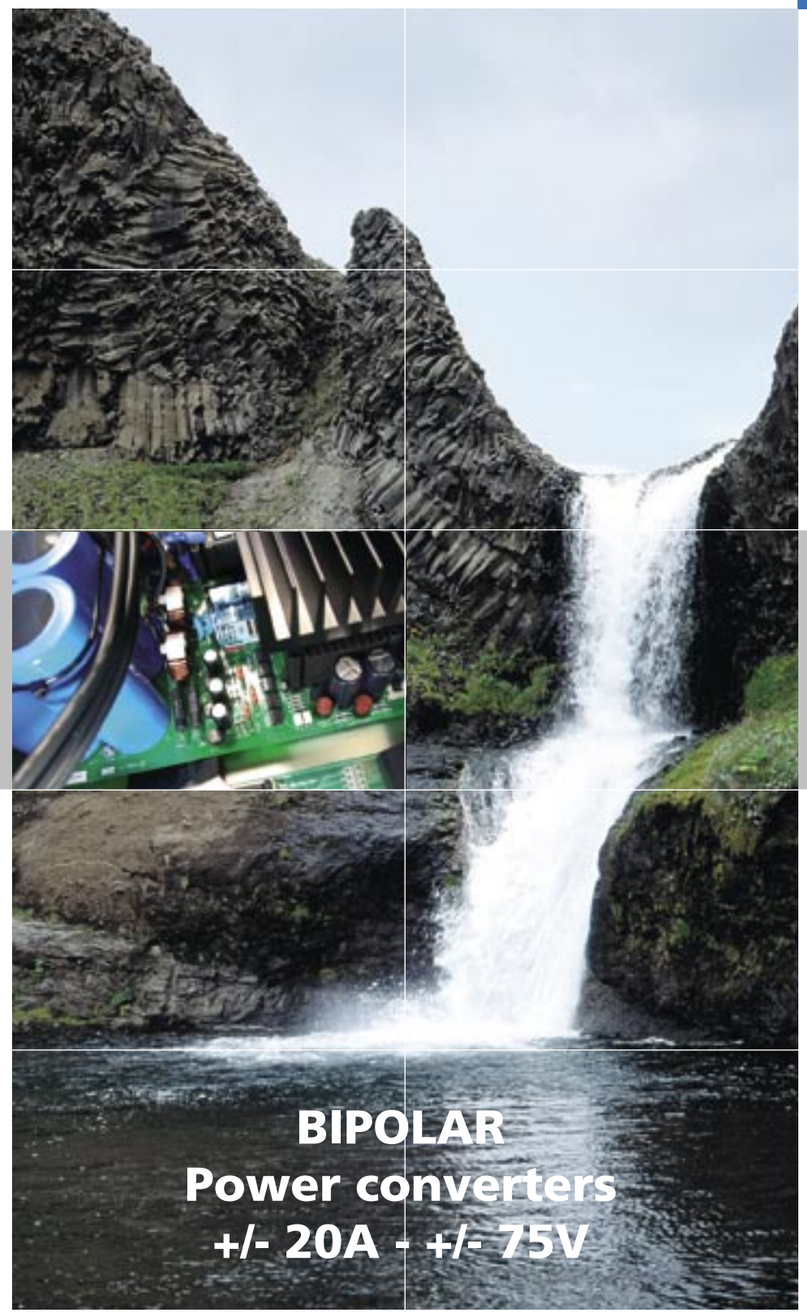
OXFORD DANFYSIK

Oxford Danfysik · Unit 1 · Ferry Mills Osney Mead
Oxford OX2 OES United Kingdom
Tel.: +44 1865 320300 · Fax: +44 1865 320301
E-mail: oxford@oxford-danfysik.com
www.oxford-danfysik.com

LINKgrafik

SYSTEM 7000

NEW generation



DANFYSIK

SYSTEM 7000
- a new Bipolar POWER CONVERTER generation

With the new SYSTEM 7000 Power Converter program we at Danfysik are now offering our customers a new generation of high performance, air cooled, current controlled power converters in a 100 ppm superior price-performance class.

SYSTEM 7000
- a product in the new high performance power

For more than 40 years precision current power converters have been a key product line at Danfysik – and it still is. We have created a line of power converters, which are designed to a modular concept and built to fulfill our customers needs in the physics research world.
In a time where physics research is developing more and more ideas with potential industrial application, we at Danfysik are shaping our new products to match these trends.

The latest products - the SYSTEM 7000 and SYSTEM 9000 – create a new superior price-performance range, bridging the gap between ultra high performance power converters and standard available products on the market. The new SYSTEM 7000 is a compact modular design allowing very easy and fast serviceability and incorporate – common with all other Danfysik power converters - the Ultrastab current transducers for superior performance.

Typical applications

SYSTEM 7000 can be used in a wide range of applications like:

- Field correction in accelerator beam line magnets
- Applications where very low zero cross over distortion is demanded
- Anywhere where very stable bipolar current control is needed

Detailing features

- Soft start mode
- Adjustable slew rate limit
- Protected against injected inductive energy
- Built-in and user defineable output current/ voltage ramp figures

SYSTEM 7000

- **Two standard models**
  SYSTEM 7000 is available as a 1.5 kW and a 0.8 kW standard model.

- **Parallel operation**
  Up to 7 units can be operated in parallel for increased current output.
  Two units can be connected in serial to double the output voltage.

- **100 ppm stability class**
  Superior stability performance class using our own world-class ULTRASTAB DCCT as current feed back element.

- **High efficiency**
  The SYSTEM 7000 is designed with a high efficiency 100 kHz push-pull bipolar power converter/amplifier together with a linear bipolar transistor output stage.

- **Air cooled**
  SYSTEM 7000 is air cooled by internal fans, which are speed controlled depending on operating temperature.

- **Easy control and monitoring**
  SYSTEM 7000 is designed with as well “a clean human interface control panel” as a standard RS232 remote control and monitoring feature.

- **EMC regulations**
  SYSTEM 7000 conforms to the latest EMC regulation including shock vibration test.

Control and Interface:

- System design for Remote or local mode control
- RS232 is Standard programming
- RS422 and Ethernet are optional programming
- Eight internal and one external protection interlocks are standard