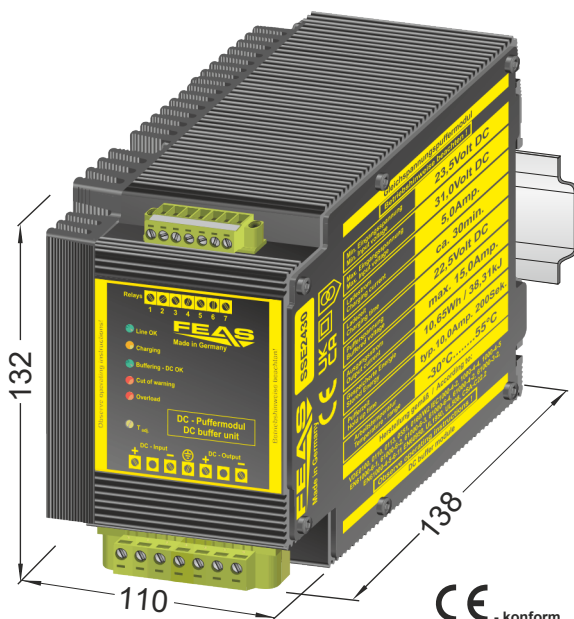


# Data sheet

## DC Buffer module: SSE2430

### Technical data



#### General data

Type	SSE2430
FEAS Order number	622430
Product description	Buffer modul
Product function	DC power supply

#### Input data

Min. input voltage $U_{in, Min}$	23.5 V <sub>DC</sub> (min. $U_{BUFF} + 2.0V$ )
Max. input voltage $U_{in, Max}$	31.0 V <sub>DC</sub>
Charging current	5.0 A
Charging time (buffer)	ca. 30 min.
Protective circuit	Transient voltage suppressor Varistor

#### Output data

Output voltage $U_{nominal}$	24 V <sub>DC</sub>
Buffered voltage $U_{BUFF}$	22.5 V <sub>DC</sub>
Output current $I_{nominal}$	10A (max. 15.0 A)
Current limiting	2.0 x $I_{nominal}$
Residual ripple (20MHz)	<50mV <sub>rms</sub>

#### Control data

Control deviation load	<100mV with load variation 10 ..... 90%
Control deviation supply	-
Control time	<10ms with load variation 10 ..... 90%

#### Operating data

Duty circle (ED)	100% (continuous operation)
Stored energy	10.65 Wh / 38.31 kJ
Buffering-time	typ. 10.0A - 200s (adjustable 5sec. - max.)
Efficiency	ca. 97% (grid operation)
Parallel connection	Yes
Operating temperature range	-30°C to +55°C
Derating	from 50°C
Storage temperature range	-40°C to +80°C
Cooling	selfcooling recommended respective distance 15mm each
Installation altitude	unlimited
MTBF	> 380.000h

#### Safety devices

Fuse for input	not necessary
Fuse for output	not necessary - short circuit proof
Overload protection	integrated into device

#### Safety data

Test voltage transformer	-
High voltage resistance	-
Degree of EMI suppression	according VDE0871B, EN55022/B
Protection class	Class II
Extra low safety potential	PELV (EN60204), SELV (EN62368)
Ambient humidity	95% relative humidity, yearly average dewing allowed for use in tropical ambient
Protective class enclosure	IP68
Protective class terminals	IP20 (BGV A3)
Vibration proof	>30g at 33Hz in X, Y and Z acc. IEC68 and DIN41640

#### Status & Signal

Status indicator / LEDs	DC Input OK, Charging level, buffering, cut off warning, overload
Signals	-
Interfaces	-

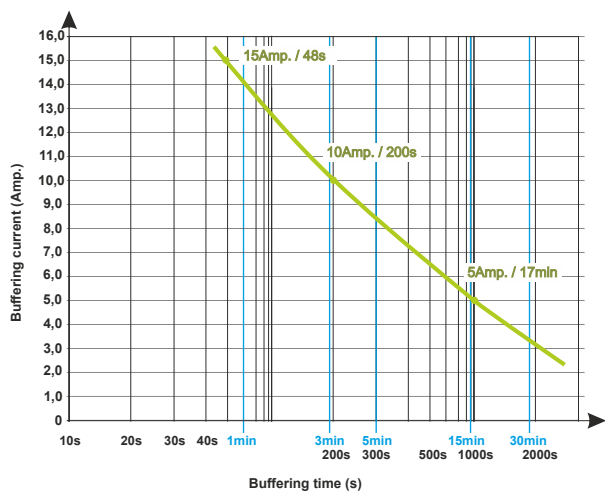
#### Applied construction regulations

according to VDE	VDE0100, VDE0110, VDE0113, VDE0551, VDE0806
IEC	IEC62368-1, IEC61000-6-1-2-3-4, IEC60068-2-3, IEC60068-2-11-52, IEC60529
EN	EN60950-1, EN61140, EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, EN55022, EN55011, EN61000-3-2, EN61000-3-3, EN60204, EN60529, EN61000-4-2-3-4-5-6-8-11, EN60068-1, EN6068-2-1, EN61558-2-17, EN61010-1
CSA/UL	CSA-C 22.2 / UL62368, UL508, UL1950

#### Mechanical data

Mounting	on Rails (DIN 46277) or wall mounting with screws
Dimensions (W x H x D)	110mm x 132mm x 138mm
Weight	approx. 3.54kg

Buffering time



#### DC buffer module / DC UPS

Type	SSE2430
Order number	622430
Stored energy	10,65 Wh / 38,31 kJ
Buffered voltage	22.5 VDC
Output current	max. 15.0 A
Charging-current	5.0 A
Buffered time (typ. $U_{nom.}$ )	typ. 10.0 A - 200 sec.



Postfach 1521  
D - 22905 Ahrensburg

Phone: +49 4102 42082  
Fax: +49 4102 40930

E-Mail: sales@feas.com  
Internet: www.feas.com