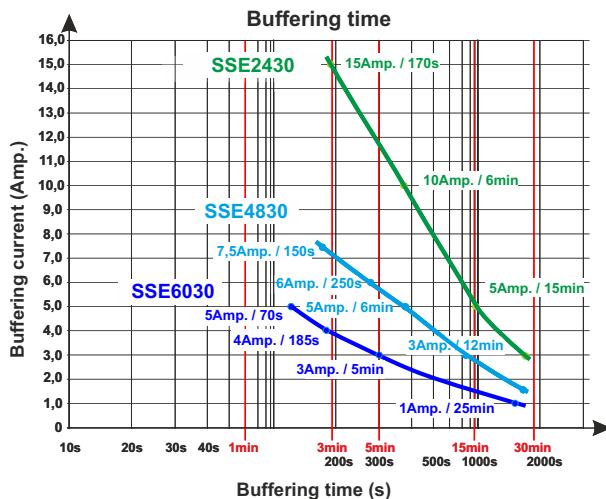
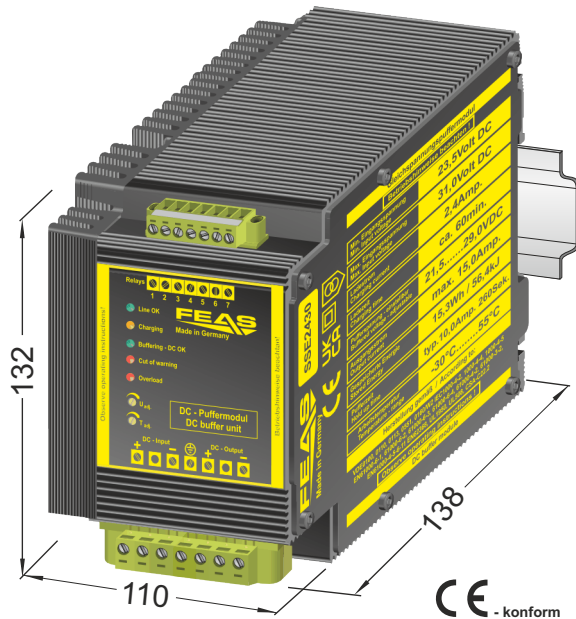


Data sheet

Buffer module (DC UPS): SSE2430



Products of the series

Type	SSE2430	SSE4830	SSE6030
Order number	622430	624830	626030
Input voltage	23.5-31.0 V _{DC}	47.0-55.0 V _{DC}	60.0-75.0 V _{DC}
Buffer voltage adjustable	21.5-29.0 V _{DC}	45.0-53.0 V _{DC}	56.0-70.0 V _{DC}
Nominal voltage (U _{nom})	22.5 V _{DC}	45.0 V _{DC}	57.0 V _{DC}
Output current	max. 15.0 A	max. 7.5 A	max. 5.0 A
Charging current	2.4	1.45	1.92
Hold-up-time (at U _{nom}) adjustable	typ. 10.0 A 260 s	typ. 6.0 A 250 s	typ. 4.0 A 185 s
Stored energy (max.)	15.3Wh/ 56.4kJ	24.1Wh/ 86.2kJ	24.1Wh/ 86.2kJ

Technical data

General data	
Type	SSE2430
FEAS Order number	622430
Product description	Buffer module
Product function	DC power supply
Input data	
Min. input voltage U _{in Min}	23.5 V _{DC} (U _{N MIN} =2.0V+U _{buffer})
Max. input voltage U _{in Max}	31.0 V _{DC}
Charging current	2.4 A
Charging time buffer	max. 60min.
Protective circuit	Transient voltage suppressor
Output data	
Output voltage U _{nom}	22.5 V _{DC}
Buffered voltage U _{buffer}	21.5 V _{DC} - 29.0 V _{DC} (adjustable)
Output current I _{nominal}	max. 15.0 A
Current limiting	yes
Residual ripple (20MHz)	<50mV _{pp}
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	15.3 Wh / 56.4 kJ
Buffering-time	typ. 10.0A - 260s (adjustable 5sec. - max.)
Efficiency	ca. 97% (grid operation)
Parallel connection	Yes
Operating / device temperature range	-40°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 required
Fuse for output	required in the amount of the maximum load current
Overload protection	integrated into device
Short-circuit proof	yes
Safety data	
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	Line OK, charging status, buffer operation, overload/overtemperature, switch-off warning
Signals - relay contacts	Line OK, charging status, buffer operation, overload / overtemperature, switch-off warning
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	EN62368-1, 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 according to DIN 46277
Dimensions (W x H x D)	110mm x 132mm x 138mm
Weight	approx. 3.6kg



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