

Ex UPS standard Series 8265



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- > Ex UPS Guard battery monitoring according to IEC/EN 60079 et seq.
- > Adjustable buffer time
- > Battery function test
- > Potential-free signal outputs
- > Maximum efficiency
- > Increased for reliable triggering of the load fuse



18997E00

A UPS from R. STAHL guarantees maximum system availability. Now system downtimes, data loss and machine damage are a thing of the past. The integrated Ex UPS guard ensures battery charge monitoring that is compliant with standards and maximum battery protection in hazardous areas.

Zone	ATEX					
	0	1	2	20	21	22
For use in		x	x			

E8

WebCode 8265B

Ex UPS standard Series 8265

Selection Table Ex UPS standard series 8265

Rated input voltage	Output voltage	Output voltage for battery operation	Power	Battery capacity	Weight	Order number
24 V DC	24 V DC	21.6 to 27 V DC	50 to 200 W	10 Ah	65 kg	8265/55-622-113
				25 Ah	84 kg	8265/55-623-113
				40 Ah	96 kg	8265/55-624-113
				60 Ah	108 kg	8265/55-625-113
			250 to 300 W	10 Ah	65 kg	8265/56-632-113
				25 Ah	84 kg	8265/56-633-113
				40 Ah	96 kg	8265/56-634-113
				60 Ah	108 kg	8265/56-635-113
120/230 V AC	24 V DC	21.6 to 27 V DC	50 to 200 W	10 Ah	76 kg	8265/55-622-213
				25 Ah	95 kg	8265/55-623-213
				40 Ah	104 kg	8265/55-624-213
				60 Ah	119 kg	8265/55-625-213
			250 to 300 W	10 Ah	76 kg	8265/56-632-213
				25 Ah	95 kg	8265/56-633-213
				40 Ah	104 kg	8265/56-634-213
				60 Ah	119 kg	8265/56-635-213
300 VA 120 V AC	120 V AC, 50/60 Hz	120 V AC, 50/60 Hz	300 VA	40 Ah	104 kg	8265/56-664-414
				60 Ah	119 kg	8265/56-665-414
300 VA 230 V AC	230 V AC, 50/60 Hz	230 V AC, 50/60 Hz	300 VA	40 Ah	104 kg	8265/56-664-415
				60 Ah	119 kg	8265/56-665-415

Other variants / power levels / designs on request




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Project engineering help

The traffic light colours indicate whether the desired buffer time has been reached for a given load.

Load	Buffer time					Battery capacity	Order number
	10 min.	30 min.	60 min.	120 min.	180 min.		
50 W 24 V DC	Green	Green	Green	Green	Yellow	10 Ah	8265/55-622-x13-0050-....
	Green	Green	Green	Green	Green	25 Ah	8265/55-623-x13-0050-....
	Green	Green	Green	Green	Green	40 Ah	8265/55-624-x13-0050-....
	Green	Green	Green	Green	Green	60 Ah	8265/55-625-x13-0100-....
100 W 24 V DC	Green	Green	Green	Red	Red	10 Ah	8265/55-622-x13-0100-....
	Green	Green	Green	Green	Yellow	25 Ah	8265/55-623-x13-0100-....
	Green	Green	Green	Green	Green	40 Ah	8265/55-624-x13-0100-....
	Green	Green	Green	Green	Green	60 Ah	8265/55-625-x13-0100-....
150 W 24 V DC	Green	Green	Yellow	Red	Red	10 Ah	8265/55-622-x13-0150-....
	Green	Green	Green	Yellow	Red	25 Ah	8265/55-623-x13-0150-....
	Green	Green	Green	Green	Green	40 Ah	8265/55-624-x13-0150-....
	Green	Green	Green	Green	Green	60 Ah	8265/55-625-x13-0150-....
200 W 24 V DC	Green	Yellow	Red	Red	Red	10 Ah	8265/55-622-x13-0200-....
	Green	Green	Green	Red	Red	25 Ah	8265/55-623-x13-0200-....
	Green	Green	Green	Green	Yellow	40 Ah	8265/55-624-x13-0200-....
	Green	Green	Green	Green	Green	60 Ah	8265/55-625-x13-0200-....
250 W 24 V DC	Green	Yellow	Red	Red	Red	10 Ah	8265/56-632-x13-0250-....
	Green	Green	Yellow	Red	Red	25 Ah	8265/56-633-x13-0250-....
	Green	Green	Green	Yellow	Red	40 Ah	8265/56-634-x13-0250-....
	Green	Green	Green	Green	Yellow	60 Ah	8265/56-635-x13-0250-....
300 W 24 V DC	Green	Red	Red	Red	Red	10 Ah	8265/56-632-x13-0300-....
	Green	Green	Yellow	Red	Red	25 Ah	8265/56-633-x13-0300-....
	Green	Green	Green	Green	Yellow	40 Ah	8265/56-634-x13-0300-....
	Green	Green	Green	Green	Yellow	60 Ah	8265/56-635-x13-0300-....
300 VA 120 V AC	Green	Green	Yellow	Red	Red	40 Ah	8265/56-664-414-0300-....
	Green	Green	Green	Yellow	Red	60 Ah	8265/56-665-414-0300-....
300 VA 230 V AC	Green	Green	Yellow	Red	Red	40 Ah	8265/56-664-415-0300-....
	Green	Green	Green	Yellow	Red	60 Ah	8265/56-665-415-0300-....
	0010	0030	0060	0120	0180		

	Buffer time is not reached
	Buffer time critical
	Buffer time is reached

x:
1 = 24 V DC input voltage
2 = 120/230 V AC input voltage

Notes on buffer time:
For ambient temperatures of +20 °C or higher.
Please contact our sales department if temperatures are lower.

Ex UPS standard

Series 8265

Explosion Protection

Version	8265/5	8316
Europe (ATEX)		
Gas	PTB 06 ATEX 1077 Ⓔ II 2 G Ex db eb IIC T6, T5, T4 Gb	KEMA 04 ATEX 2237 X Ⓔ II 2 G Ex eb IIC T6 Gb
Certifications and certificates	ATEX	

Technical Data

Electrical data							
Input	50 W	100 W	150 W	200 W	250 W	300 W	300 VA
Power	120/230 V AC / 24 V DC	120/230 V AC / 24 V DC	120/230 V AC / 24 V DC	120/230 V AC / 24 V DC	120/230 V AC / 24 V DC	120/230 V AC / 24 V DC	120/230 V AC
Voltage	120/230 V AC: 80 to 264 V AC, 90 to 350 V DC 24 V DC: 18 to 30 V DC						
Voltage range							
Output	24 V DC	24 V DC	24 V DC	24 V DC	24 V DC	24 V DC	120/230 V AC
Power supply operation	2.1 A	4.2 A	6.3 A	8.4 A	10.5 A	12.6 A	2.5/1.3 A
Nominal current	21.6 to 27.6 V	21.6 to 27.6 V	21.6 to 27.6 V	21.6 to 27.6 V	21.6 to 27.6 V	21.6 to 27.6 V	120/230 V AC, 50/60 Hz ±0.1 %
Battery operation							
Charging current	1.5 A						
Load characteristics	IU characteristic curve						
Protective functions	Short-circuit protection, Surge protection, Protection against battery surge / exhaustive discharge						
Switching time	Uninterrupted for DC; for AC < 10 ms						
LED displays							
Alarm (red)	Battery fault (incorrect or not connected, end of service life)						
in power supply operation							
in battery operation	Battery voltage low (<21.6 V)						
Ex UPS guard (green)	UPS operational (Off: battery fault)						
Battery operation (yellow)	Power supply failure (load supplied by battery)						
Potential-free contacts	One changeover contact each 2 A (at 24 V DC) 3 A (at 230 V, AC-15)						
Ambient conditions							
Ambient temperature							
Operation	-20 to +40 °C						
Storage	-20 to +65 °C (without battery)						
Mechanical data							
Degree of protection	IP66 (IP23 battery enclosure)						
Material							
Enclosure	8265 (Ex d): aluminium, copper-free, painted with RAL 7035 8146 (Ex e): glass-fibre reinforced polyester resin						
Frame	8298: stainless steel						
Battery	VRLA maintenance-free						
Battery service life	10 to 12 years (long life in accordance with EUROBAT)						

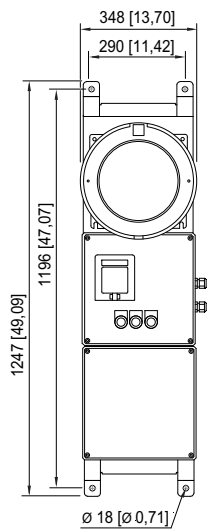
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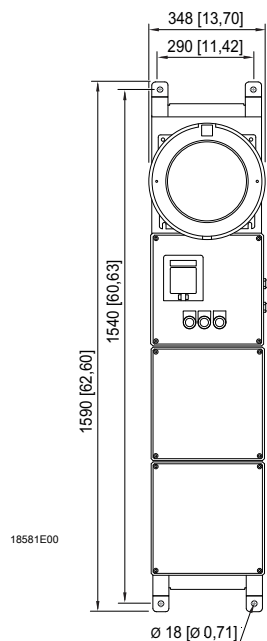
Technical Data

Clamping range of clamps	Flexible and rigid conductors		Flexible conductors, core end sleeve with and without shroud	Flexible and rigid conductors	Flexible conductors	AWG	
	Terminal block	Min. conductor cross-section	Max. conductor cross-section	Conductor cross-section with core end sleeve	Conductor cross-section with 2 identical conductors	Conductor cross-section with 2 identical conductors with TWIN plastic sleeve	Conductor cross-section
	UT2.5	0.14 mm ²	4 mm ²	0.14 to 2.5 mm ²	0.14 to 1.5 mm ²	0.5 to 1.5 mm ²	26 to 12
	UT4	0.14 mm ²	6 mm ²	0.14 to 4 mm ²	0.14 to 1.5 mm ²	0.5 to 2.5 mm ²	26 to 10
	UT4 PE	0.14 mm ²	6 mm ²	0.14 to 4 mm ²	0.14 to 1.5 mm ²	0.5 to 2.5 mm ²	26 to 10
	UT16	1.5 mm ²	25 mm ²	1 to 16 mm ²	1 to 6 mm ²	0.75 to 10 mm ²	16 to 4
	UT16 PE	1.5 mm ²	25 mm ²	1 to 16 mm ²	1 to 6 mm ²	0.75 to 10 mm ²	16 to 4
	Cable dia. range of screw connections	8161/7-M25-1707 KLE with black plug			M25	7 to 17 mm	
	8161/7-M20-1304 KLE with black plug			M20	4 to 13 mm		
	8161/7-M16-0902 KLE with black plug			M16	2 to 9 mm		
	8161/7-M20-1304 KLE black			M20	4 to 13 mm		
	8161/7-M16-0902 KLE black			M16	2 to 9 mm		

Dimensional drawings (all dimensions in mm [inches]) – Subject to modifications



Ex UPS
8265/55-622-.13

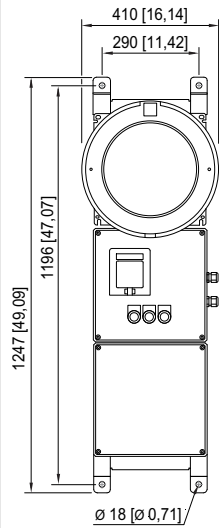


Ex UPS
8265/55-623-.13, 8265/55-624-.13, 8265/55-625-.13

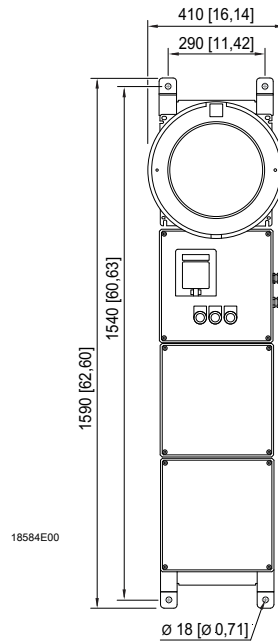
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Dimensional drawings (all dimensions in mm [inches]) – Subject to modifications



Ex UPS
8265/56-632-.13



Ex UPS
8265/56-633-.13, 8265/56-634-.13, 8265/56-635-.13
8265/56-664-414, 8265/56-665-414

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Other fastening / mounting types on request

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.