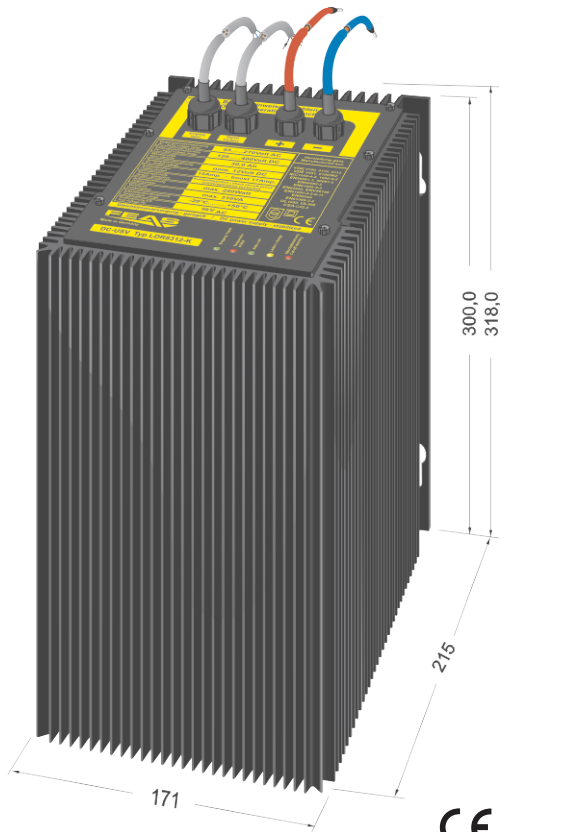
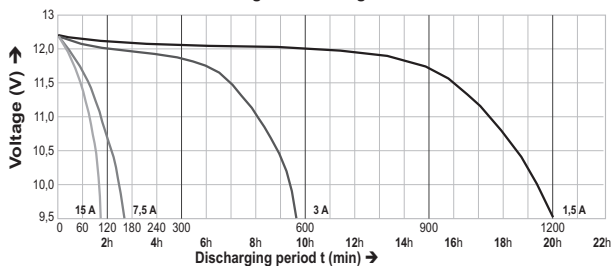


Data sheet

Power Supply with Accupack (DC-UPS):LDR8312-K



Discharge current diagramm at 20°C



Products of the series:

| Type | LDR8312-K | LDR8324-K |
|----------------|----------------------------|-----------------------------|
| Order number | 589956 | 589957 |
| Output voltage | 9.0 - 14.0 V _{DC} | 19.0 - 28.0 V _{DC} |
| Output current | 15 A | 10 A |
| Capacity (20°) | 30 Ah | 15 Ah |
| Nominal Power | 210 W | 280 W |
| Buffered time | 110min typ. 15 A | 80min typ. 10 A |

Technical data

| General data | |
|---|---|
| Type | LDR8312-K |
| FEAS Order number | 589956 |
| Product description | Power Supply with accupack |
| Product function | DC power supply |
| Input data | |
| AC input voltage | 85 - 270V _{AC} (0-66Hz) |
| DC input voltage | 120 - 400V _{DC} |
| Input current at nominal load | at 115V _{AC} max. 2.2A / at 230V _{AC} max. 1.1A |
| Input current peak | < 8 A at 230V _{AC} |
| Protective circuit | Transient voltage suppressor Varistor |
| Output data | |
| Output voltage U _{Nominal} | 12 V _{DC} |
| Buffered voltage | 9.0 - 14.0 V _{DC} following the accu-voltage |
| Output current I _{Nominal} | 15.0 A |
| Current limiting/ | appr. 60.0 A |
| Power P _{Nominal} / P _{Max} | 210 Watt |
| Residual ripple (20MHz Bandwidth) | <25mV _{pp} |
| Control data | |
| Control deviation (Load) | <200 mV with load variation 10 90% |
| Control deviation (Supply) | <25 mV with load variation ±10% |
| Control time | <10ms with load variation 10 90% |
| Operating data | |
| Duty circle | 100% |
| Efficiency | approx. 86% (grid mode) |
| Capacity C | 30.0 Ah (20°C) |
| Buffered Time | typ. 15A - 110min (see graph on the left) |
| Parallel connection | No |
| Operating temperature range | -20°C to +50°C |
| Storage temperature range | -20°C to +50°C |
| Derating | from 40°C |
| Cooling | selfcooling recommended respective distance 15mm each |
| Installation altitude | unlimited |
| MTBF | > 380.000h (without accupack) |
| Safety devices | |
| Fuse for input | at 115V _{AC} 4.0A slow blow / at 230V _{AC} 2.0A slow blow |
| Fuse for output | not necessary - short circuit proof |
| Overload protection | integrated into device |
| Safety data | |
| Test voltage transformer | 5kV _{AC} according to VDE0570 |
| High voltage resistance | Input/Output 4,4kV _{AC} according to VDE0806/IEC380 |
| Degree of EMI suppresion | according to VDE0871B, EN55022/B |
| Protection class | Protection class I with PE-Connection (EN60950) |
| Extra low safety potential | PELV (EN60204), SELV (EN60950) |
| Ambient humidity | 95% relative humidity, yearly average dewing allowed for use in tropical ambient |
| Protective class enclosure | IP54 |
| Protective class terminals | - |
| Vibration proof | >30g at 33Hz in X, Y and Z acc. IEC68 and DIN41640 |
| Status & Signal | |
| Status indicator | LED - Grid, Charging, Buffer mode, Temperature |
| Signals | Relais - Grid, Accu-protection |
| Interfaces | Sleep-mode |
| Applied construction regulations | |
| according to VDE | VDE0100, VDE0110, VDE0113, VDE0551, VDE0806 |
| IEC | IEC60950-1, 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, EN60668-2-1, EN61558-2-17, EN61010-1 |
| CSA/UL | CSA-C 22.2 / UL60950, UL508, UL1950 |
| Mechanical data | |
| Mounting | on wall with screws M8 |
| Dimensions (W x H x D) | 171mm x 318mm x 215mm |
| Weight | approx. 21.0kg |



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