

Batterypack with electronic charging controller for 12V_{DC} line type LDR2012

Technical data



CE - compliant

- Output separated according to VDE0551
- Extra low safety potential PELV (EN 60204), SELV (EN 60950)
- No overcharging
- Safeguard against total discharge
- Messages with remote monitoring
- Power failure notification
- Buffering of 12VDC-systems
- Very high storage capacity NiMh-Batteries
- Operating status shown by LED
- Safety acc. to VDE, EN, UL and CSA

Type	LDR2012
Order number	589921
Nominal output voltage	12 V _{DC}
Nominal output current	1,8 A
Accu-capacity	5,2 Ah
Power	21,6 Watt
Efficiency	82%
Dimensions (W x H x D)	100x75x110
Weight	approx. 1,45 kg

Input data	
Input voltage AC	-
Input voltage DC	18,0 - 50,0 V _{DC}
Input current at nominal load	at 18V _{DC} max. 2,1 A / at 24V _{DC} max. 1,55A at 48V _{DC} max. 0,75 A
Protective circuit	-
Hold-up time	-
Output data	
Output voltage U _{nominal}	12V _{DC} (10-13V _{DC} the voltage follows the battery voltage)
Output current I _{nominal}	1,8 Amp.
Current limiting	-
Residual ripple (20MHz)	< 50 mV _{pp}
Control data	
Control deviation load	-
Control deviation supply	-
Control time	-
Operating data	
Duty circle	100%
Operating temperature range	-20°C to +50°C
Derating	from 40°C
Storage temperature range	-20°C to +55°C
Cooling	selfcooling recommended respective distance 15 mm each
Safety devices	
Input fuse	is recommended 2,5 Amp. delayed
Output fuse	not necessary, short circuit proof
Overload protection	integrated into device
MTBF	>380.000 h without storage battery
Safety data	
Test voltage transformer	-
High voltage resistance	primary- / secondary circuit 3,75 kV _{DC} acc. to VDE
Degree of EMI suppression	according to VDE 0871B, EN 55022/B
Protection class	class 3 (EN 60950)
Extra low safety potential	PELV (EN60204), SELV (EN 60950)
Ambient humidity	95% relative humidity, yearly average dewing allowed for use in tropical atmosphere
Protection class enclosure	IP 44
Protection class terminals	IP 20 (BGV A3)
Vibration proof	up to 5g at 33Hz in X,Y and Z, acc. to IEC60068-2-27 without storage battery
Applied design specifications	
according to VDE	VDE 0100,0110,0113,0140-1,0551,0160/W2,0806
IEC	IEC 60950,IEC61000-6-1-2-3-4,IEC60068-2-3, IEC 60068-2-11-52,IEC 60529,IEC 380
EN	EN60950,EN61140,EN61000-6-1,EN61000-6-2, EN61000-6-3,EN61000-6-4,EN55022, EN55011, EN61000-3-2,EN61000-3-3,EN50204, EN60204, EN60529,EN61000-4-2-3-4-5-6-8-11, EN60068-1,
CSA / UL	CSA-C 22.2 / UL60950, UL508, UL1950
Mechanical data	
Mounting	on rails acc. to DIN 46277 or wallmounting with screws
Dimensions W x H x D	100mm x 75mm x 110mm
Weight	approx. 1,45 kg



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