

KiBAT

On-board battery

The shockproof onboard battery Type K3885 offers an additional protection on the CrashLink2 power supply against power loss or cable failure. It also allows operation of the CrashLink2 product family without trailing cable. As soon as the power from the trailing cable drops below the voltage of the battery (disconnection, failure of the cable) all connected on-board components are supplied by the battery.

- Ruggedized design
- CrashLink2 compatible
- Internal battery charger
- Supplies CrashLink2 standard crash equipment
- 6 Trigger outputs

Description

Five LEDs on the top cover indicate the actual battery capacity. Eight LEDs close to the CrashLink2 connectors indicate the device status

- Operating
- Armed
- Error
- Charge
- Discharge
- TO
- Ethernet A/B

The KiBAT has the same footprint and mounting holes as the KiDAU.

In addition to the backup power the KiBAT provides 6 isolated trigger outputs (contact closure) to trigger other devices.

Ordering key

- KiBAT on-board battery

Type K3885

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Technical data

General

Input voltage		
Startup	VDC	20 ... 60
Charge/standby	VDC	44 ... 60
Backup (discharge)	VDC	<42
Input power, max.		
Standby	W	2.7
Normal charge mode	W	65
Fast charge mode	W	110
Battery cell type	Li-ion	
Nominal energy	Wh	121.68
Runtime 400 W load	min	>10
Charge time (normal), typ.	min	140
Charge time (fast), typ.	min	85
Battery cell temperature range for charging	°C	5 ... 50
Ethernet	MBit/s	100
Dimensions (LxWxH)	mm	231x64x102
Weight	kg	2.46

Environmental conditions

Degree of protection	EN60529	IP40
Shock resistance, peak ¹⁾	g	100
Vibration resistance, random noise ²⁾	g _{RMS}	5.4
Operating temperature range	°C	0 ... 40
Storage temperature range		
long term	°C	-20 ... 25
short term (<1 week)	°C	-20 ... 50
Humidity (non condensing)	%	<80

¹⁾ Half sine wave for 6 ms in all axes

²⁾ 30 min. in all axes (10 ... 2 000 Hz)

Trigger output

Differential input voltage	VDC	≤60
Input voltage against chassis	VDC	-36 ... 36
Output current	mA	≤500
On state voltage drop	VDC	<1
Turn on time delay	µs	≤40
Hold time	s	>1