



# NONSTOP POWER

UNINTERRUPTIBLE POWER SUPPLIES



# SAFETY MADE IN GERMANY

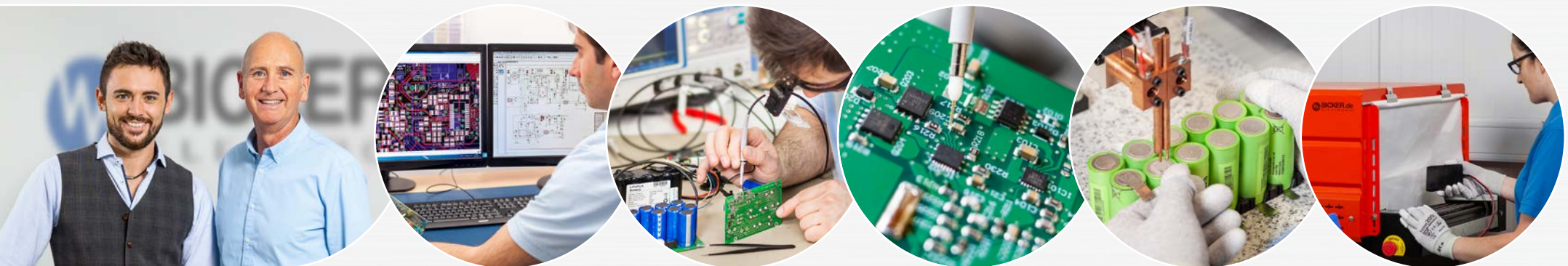
RELIABLE UPS SOLUTIONS FOR PROFESSIONALS

## Power failure? Brownout? Flicker?

Our particularly reliable and well featured UPS solutions with latest energy storage technologies ensure the uninterruptible power supply of sensitive and process-relevant systems. Voltage fluctuations, flicker or failures of the DC mains often cause fatal consequences for critical applications. The UPSI system offers maximum safety for your business. Please feel free to contact us, our team will be happy to help you find the best UPS solution for your specific needs.



Tom & Markus Bicker  
CEO's of Bicker Elektronik GmbH



**SOLUTIONS FOR**  
**PROFESSIONALS**  
**MADE BY BICKER**



Certified  
**ISO 9001:2015**  
Quality Management System

[www.tuev-sued.de/ms-zert](http://www.tuev-sued.de/ms-zert)

# PROTECT YOUR APPLICATION

RELIABLE UPS SOLUTIONS FOR PROFESSIONALS



## Uninterruptible Power Supply System

- ✓ Fail-safe protection for 12V / 24V DC applications
- ✓ Uncompromising quality – Made in Germany
- ✓ Modular and 'All-In-One' solutions available
- ✓ Intelligent and flexible charging technology
- ✓ Scalable portfolio of energy storage devices
- ✓ Integrated communication interfaces and relays
- ✓ Shutdown & Reboot for IPC systems
- ✓ Well-featured software for extended functionality
- ✓ Pre-programmable for self-sufficient operation
- ✓ Extended operating temperature ranges
- ✓ Reliable 24/7 continuous operation
- ✓ Excellent service and support
- ✓ Long-term availability



Open-Frame



DIN-Rail



IP Housing



Industrial Automation



Medical & Laboratory



Communication & Cellular



Traffic Control



Energy & Offshore



Defense & Security

# ENERGY STORAGE TECHNOLOGY

## Supercap Energy Packs

- ✓ Maintenance-free and fast charging EDLC technology
- ✓ Ideal for short & medium backup times
- ✓ Particularly high cycle stability > 500,000
- ✓ Cell balancing for extended lifetime
- ✓ Temperature range from -20°C up to +70°C

## LiFePO4 Battery Packs

- ✓ Safe 10-year lithium iron phosphate technology
- ✓ Ideal for long backup times
- ✓ Up to 6,000 life cycles
- ✓ Integrated high performance BMS
- ✓ Temperature range from -20°C up to +55°C



**SOLUTIONS FOR  
PROFESSIONALS  
MADE BY BICKER**



Process Technology



Transportation & Vehicles



Maritime Applications



Gaming & Music Industry



POI/POS & Ticketing



Mining

# SOLUTIONS OVERVIEW

FINDING THE BEST UPS FOR YOUR NEEDS

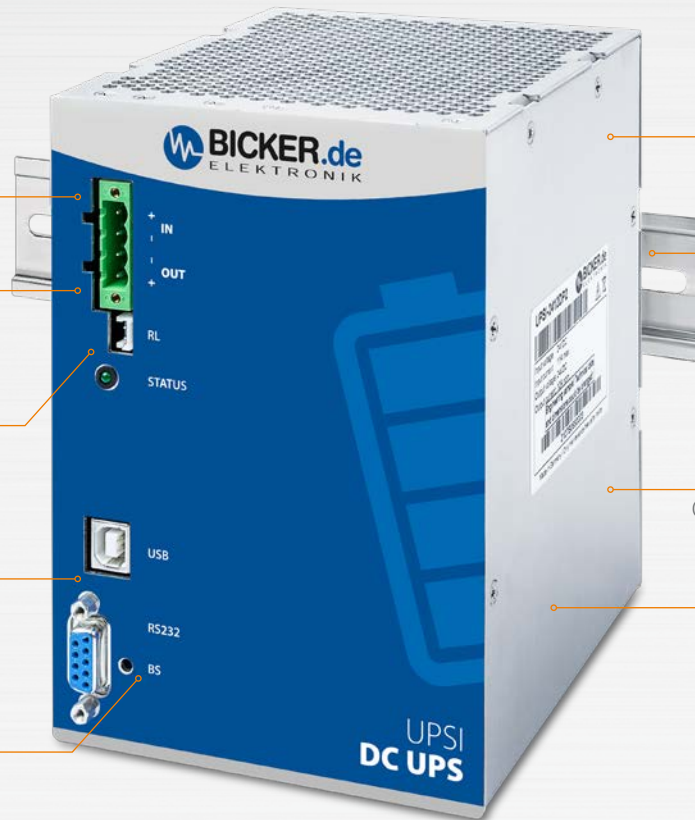


PRODUCT	V <sub>IN</sub>	V <sub>OUT</sub>	I <sub>OUT</sub>	P <sub>OUT</sub>	BACKUP TIME	DESIGN / ENERGY PACK	SPECIAL FEATURE	PAGE
<b>UPSI DP   All-In-One   DIN-Rail</b>								
UPSI-2406DP1	24	24	4	96	12 Min @ 96 W	DIN-Rail / Li-Ion	Energy pack inside / Certified to IEC/EN/UL/CSA 61010-1 / -2-201	08
UPSI-2406DP2	24	24	4	96	35 Sec @ 96 W	DIN-Rail / Supercaps	Energy pack inside / Certified to IEC/EN/UL/CSA 61010-1 / -2-201	08
UPSI-2406DP3	24	24	6	144	11 Min @ 144 W	DIN-Rail / LiFePO4	Energy pack inside	08
UPSI-1208DP2	12	12	8	96	33 Sec @ 96 W	DIN-Rail / Supercaps	Energy pack inside	08
UPSI-1208DP3	12	12	8	96	13 Min @ 96 W	DIN-Rail / LiFePO4	Energy pack inside	08
UPSI-2412DP2	24	24	10	240	39 Sec @ 240 W	DIN-Rail / Supercaps	Energy pack inside	08
UPSI-2412DP3	24	24	10	240	14.5 Min @ 240 W	DIN-Rail / LiFePO4	Energy pack inside	08
<b>UPSIC / DC2412   All-In-One   Open-Frame</b>								
UPSIC-2403	24	24	3	72	15 Sec @ 60 W	Open-Frame / Supercaps		10
UPSIC-1205	12	12	5	60	15 Sec @ 60 W	Open-Frame / Supercaps		10
DC2412-UPS	16–32	12	5	60	15 Sec @ 60 W	Open-Frame / Supercaps	24 V to 12 V	10
DC2412-UPSP2	16–32	12	5	60	60 Sec @ 60 W	Open-Frame / Supercaps	24 V to 12 V	10
<b>UPSI-IP   IP65/67   IP Housing</b>								
UPSI-2406IP-12U	24	24	6	144	11 Min @ 144 W	IP65/67 Housing / LiFePO4	Shock and vibration tested to EN 60068-2-27 / EN 60068-2-6	12
UPSI-2406IP-26UW	8–36	24	1.25–6 A	30–144 W	31 Min @ 144 W	IP65/67 Housing / LiFePO4		12
UPSI-1208IP-11U	12	12	8	96	13 Min @ 96 W	IP65/67 Housing / LiFePO4	Shock and vibration tested to EN 60068-2-27 / EN 60068-2-6	12
UPSI-1208IP-23UW	7–36	12	4.17–8 A	50–96 W	1.25 Min @ 96 W	IP65/67 Housing / Supercaps		12

PRODUCT	V <sub>IN</sub>	V <sub>OUT</sub>	I <sub>OUT</sub>	P <sub>OUT</sub>	BACKUP TIME	DESIGN / ENERGY PACK	SPECIAL FEATURE	PAGE
<b>UPSI   Modular   Open-Frame</b>								
UPSI-1208	12	12	8	96	Open-Frame	Easy System Integration		<b>14</b>
BP-LFP-10250S					125 Min @ 96 W	Shrink Pack / LiFePO4	Long Time Backup	<b>14</b>
BP-LFP-1025S					13 Min @ 96 W	Shrink Pack / LiFePO4	Up to 6,000 Life Cycles	<b>14</b>
BP-SUC-10066					72 Sec @ 96 W	Open-Frame / Supercaps	Maintenance-free	<b>14</b>
BP-SUC-1033					34 Sec @ 96 W	Open-Frame / Supercaps	Maintenance-free	<b>14</b>
UPSI-2406	24	24	6	144	Open-Frame	Easy System Integration		<b>14</b>
BP-LFP-13250S					110 Min @ 144 W	Shrink Pack / LiFePO4	Long Time Backup	<b>14</b>
BP-LFP-1375					31 Min @ 144 W	Shrink Pack / LiFePO4	Up to 6,000 Life Cycles	<b>14</b>
BP-LFP-1325S					11 Min @ 144 W	Shrink Pack / LiFePO4	Up to 6,000 Life Cycles	<b>14</b>
BP-SUC-16090					65 Sec @ 144 W	Open-Frame / Supercaps	Maintenance-free	<b>14</b>
BP-SUC-1645					34 Sec @ 144 W	Open-Frame / Supercaps	Maintenance-free	<b>14</b>
UPSI-2412	24	24	10	240	Open-Frame	Easy System Integration		<b>14</b>
BP-LFP-2725					14.5 Min @ 240 W	Shrink Pack / LiFePO4	Up to 6,000 Life Cycles	<b>14</b>
BP-SUC-30090					34 Sec @ 240 W	Open-Frame / Supercaps	Maintenance-free	<b>14</b>
<b>UPSI-D   Modular   DIN-Rail</b>								
UPSI-1208D	12	12	8	96	DIN-Rail			<b>16</b>
BP-LFP-1025D					13 Min @ 96 W	DIN-Rail / LiFePO4	Up to 6,000 Life Cycles	<b>16</b>
BP-SUC-10066D					72 Sec @ 96 W	DIN-Rail / Supercaps	Maintenance-free	<b>16</b>
BP-SUC-1033D					34 Sec @ 96 W	DIN-Rail / Supercaps	Maintenance-free	<b>16</b>
UPSI-2406D	24	24	6	144	DIN-Rail			
BP-LFP-1375D					31 Min @ 144 W	DIN-Rail / LiFePO4	Up to 6,000 Life Cycles	<b>16</b>
BP-LFP-1325D					11 Min @ 144 W	DIN-Rail / LiFePO4	Up to 6,000 Life Cycles	<b>16</b>
BP-SUC-16090D					65 Sec @ 144 W	DIN-Rail / Supercaps	Maintenance-free	<b>16</b>
BP-SUC-1645D					34 Sec @ 144 W	DIN-Rail / Supercaps	Maintenance-free	<b>16</b>
UPSI-2412D	24	24	10	240	DIN-Rail			
BP-LFP-2725D					14.5 Min @ 240 W	DIN-Rail / LiFePO4	Up to 6,000 Life Cycles	<b>16</b>
BP-SUC-30090D					34 Sec @ 240 W	DIN-Rail / Supercaps	Maintenance-free	<b>16</b>
<b>UPSI-IP   AC/DC   IP Housing</b>								
UPSI-2406IP-38AC	90–264 V AC	24	6	144	110 Min @ 144 W	IP65 Housing / LiFePO4	AC input / DC output / Certified to IEC/EN 62040-1	<b>18</b>

# UPSI-DP ALL-IN-ONE

12 & 24 VDC / DIN-RAIL



## DC INPUT

Intelligent power sharing

## BUFFERED DC OUTPUT

Regulated output voltage

## RELAY CONTACT

Configurable & potential-free

## USB & RS232

Communication interfaces

## BATTERY START

Initial system start via battery

## HIGH QUALITY

Made in Germany

## DIN-RAIL MOUNT

Aluminium chassis

## INTEGRATED ENERGY STORAGE

Compact All-In-One system

## SHUTDOWN & REBOOT

IPC control functions



## Backup times & specifications

The presented energy storage devices offer specific backup levels. Find more information on [page 6/7](#) or [www.bicker.de](http://www.bicker.de)



## All-In-One DC UPS solution

Powerful DIN-Rail units with integrated UPS controller, charger and energy storage device.



## Extended temperature range

UPS and Supercaps / LiFePO4 energy storage operate from -20°C up to +70°C / +55°C.



## 'UPSGen2 Configuration' software

Extended functionality, monitoring and pre-parameterizing for self-sufficient operation.



**⚡ UPS / Supercaps Inside**

**🔋 UPS / LiFePO4 Inside**

**🔋 UPS / Li-Ion Inside**

24V



**UPSI-2406DP2**  
96W / 24VDC / 4A



**UPSI-2406DP3**  
144W / 24VDC / 6A



**UPSI-2406DP1**  
96W / 24VDC / 4A

24V



**UPSI-2412DP2**  
240W / 24VDC / 10A



**UPSI-2412DP3**  
240W / 24VDC / 10A

12V



**UPSI-1208DP2**  
96W / 12VDC / 8A



**UPSI-1208DP3**  
96W / 12VDC / 8A

**Product videos**

You can find numerous product videos about the DC UPS solutions on our website [www.bicker.de](http://www.bicker.de) at the respective product as well as on Youtube – please scan the QR code to go directly to our channel:



# UPSIC / DC2412 ALL-IN-ONE

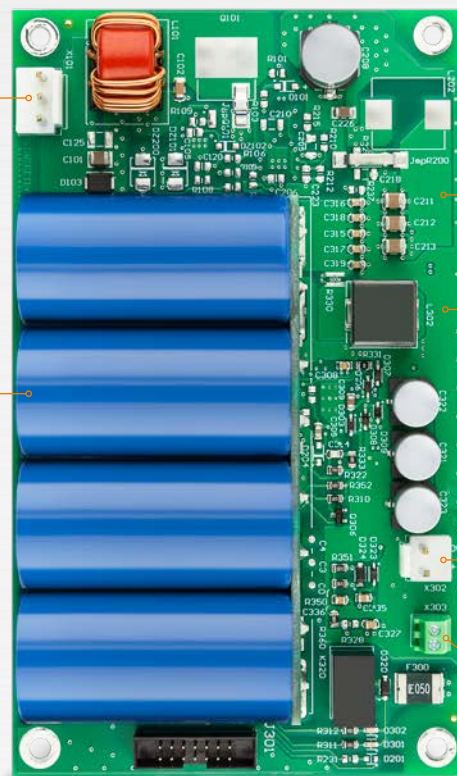
## 12 & 24 VDC / OPEN-FRAME

### DC INPUT

Intelligent power sharing

### INTEGRATED SUPERCAPS (EDLC)

Maintenance-free energy storage with high cycle stability >500,000



### HIGH QUALITY

Made in Germany

### COMPACT DESIGN

Space-saving integration

### BUFFERED DC OUTPUT

Regulated output voltage

### RELAY CONTACT

Power Fail signal



### Backup times & specifications

The presented energy storage devices offer specific backup levels. Find more information on [page 6/7](#) or [www.bicker.de](http://www.bicker.de)



### Quickly ready for use

Compact UPS solution with very fast-charging and maintenance-free Supercaps.



### Extended temperature range

Integrable Supercap-buffered UPS modules operate from -20°C up to +70°C.



### 'UPS Control Center' software

Data monitoring, setup and parametrization of UPS modules (with PSZ-1063)

 **UPS / Supercaps Modules**

24V



**UPSIC-2403**  
72W / 24VDC / 3A

12V



**UPSIC-1205**  
60W / 12VDC / 5A

WIDE INPUT 16–32VDC



**DC2412-UPS**  
60W / 12VDC / 5A

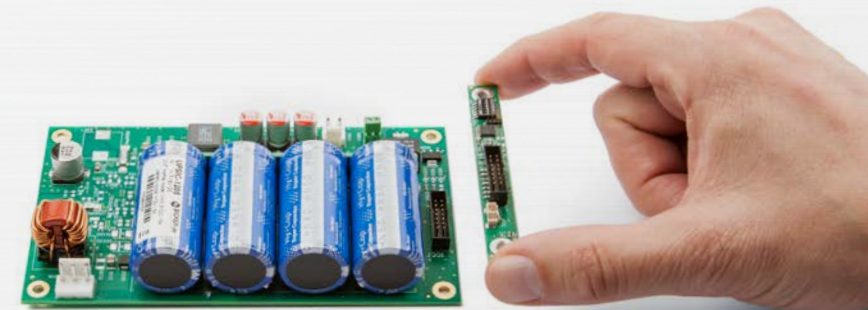
WIDE INPUT 16–32VDC



**DC2412-UPSP2**  
60W / 12VDC / 5A

**PSZ-1063  $\mu$ Extension**

The optional available add-on module offers additional features like realtime data monitoring, reboot function and output enable from 90% Supercap capacity. Extended functionality via RS232 RxD- and TxD communication is enabled, too. Operation at host is possible without software.



# UPSI-IP IP65/67

12 & 24 VDC / IP HOUSING

## HIGH QUALITY

Made in Germany

## INTEGRATED ENERGY STORAGE

All-In-One solution

## IP65/67 PROTECTION

Aluminium housing

## BUFFERED DC OUTPUT

Regulated output voltage

## DC INPUT

Intelligent power sharing

## USB

Communication interface

## PRESSURE COMPENSATION

Membrane element



## Backup times & specifications

The presented energy storage devices offer specific backup levels. Find more information on [page 6/7](#) or [www.bicker.de](http://www.bicker.de)



## Outdoor UPS with IP65/67 protection

Sealed aluminium housing elements and connections are resistant to water, ice, oil and dust.



## Extended temperature range

UPS and Supercaps / LiFePO4 energy storage operate from -20°C up to +70°C / +55°C.



## 'UPSGen2 Configuration' software

Extended functionality, monitoring and pre-parameterizing for self-sufficient operation.

 **UPS / LiFePO4 Inside**

 **UPS / Supercaps Inside**

24V



**UPS-2406IP-12U**  
144W / 24VDC / 6A

WIDE INPUT 8-36VDC



**UPS-2406IP-26UW**  
110W / 24VDC / 4.6A

12V



**UPS-1208IP-11U**  
96W / 12VDC / 8A

WIDE INPUT 7-36VDC



**UPS-1208IP-23UW**  
96W / 12VDC / 8A

**Cable connection set**

The scope of delivery includes a resilient 3m USB cable as well as a set of power cables (input/output) of 3m length each (can be shortened as required). Please contact us for customized cable assemblies.



# UPSI MODULAR

12 & 24 VDC / OPEN-FRAME

## HIGH QUALITY

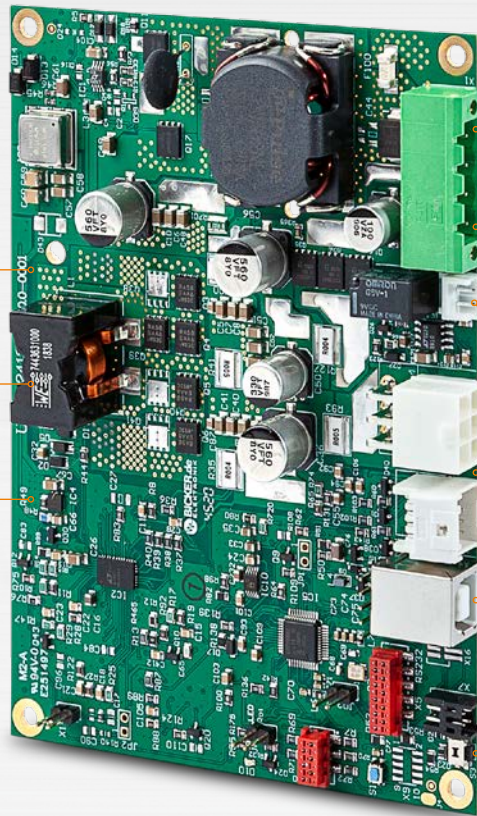
Made in Germany

## PLUG & PLAY

Easy installation

## SHUTDOWN & REBOOT

IPC control functions



## DC INPUT

Intelligent power sharing

## BUFFERED DC OUTPUT

Regulated output voltage

## RELAY CONTACT

Configurable & potential-free

## BATTERY POWER & DATA

Powerful charger  
Flexible modes CC/CV/CP

## USB & RS232

Communication interfaces

## BATTERY START

Initial system start via battery



## Backup times & specifications

The presented energy storage devices offer specific backup levels. Find more information on [page 6/7](#) or [www.bicker.de](http://www.bicker.de)



## Modular & scalable UPS solution

Select the performance and energy storage class that perfectly fits to your application.



## Extended temperature range

UPS and Supercaps / LiFePO4 energy storage operate from -20°C up to +70°C / +55°C.



## 'UPSGen2 Configuration' software

Extended functionality, monitoring and pre-parameterizing for self-sufficient operation.

**⚡ UPS**

**🔋 LiFePO4 Battery Packs**

**⚡ Supercap Energy Packs**

24V



**UPSI-2406**  
144W / 24VDC / 6A



**BP-LFP-13250S**  
330Wh



**BP-LFP-1375**  
99Wh



**BP-LFP-1325S**  
33 Wh



**BP-SUC-16090**  
13.5 kJ



**BP-SUC-1645**  
6.8 kJ

24V



**UPSI-2412**  
240W / 24VDC / 10A



**BP-LFP-2725**  
64 Wh



**BP-SUC-30090**  
13.5 kJ

12V



**UPSI-1208**  
96W / 12VDC / 8A



**BP-LFP-10250S**  
247.5 Wh



**BP-LFP-1025S**  
25Wh



**BP-SUC-10066**  
9.8 kJ



**BP-SUC-1033**  
4.9 kJ

# UPSI-D MODULAR

12 & 24 VDC / DIN-RAIL



## HIGH QUALITY

Made in Germany

## DIN-RAIL MOUNT

Aluminium chassis

## SHUTDOWN & REBOOT

IPC control functions

## DC INPUT

Intelligent power sharing

## BUFFERED DC OUTPUT

Regulated output voltage

## RELAY CONTACT

Configurable & potential-free

## BATTERY POWER & DATA

Powerful charger  
Flexible modes CC/CV/CP

## USB & RS232

Communication interfaces

## BATTERY START

Initial system start via battery



## Backup times & specifications

The presented energy storage devices offer specific backup levels. Find more information on [page 6/7](#) or [www.bicker.de](http://www.bicker.de)



## Modular & scalable UPS solution

Select the performance and energy storage class that perfectly fits to your application.



## Extended temperature range

UPS and Supercaps / LiFePO4 energy storage operate from -20°C up to +70°C / +55°C.



## 'UPS Gen2 Configuration' software

Extended functionality, monitoring and pre-parameterizing for self-sufficient operation.



**⚡ UPS**

**🔋 LiFePO4 Battery Packs**

**⚡ Supercap Energy Packs**

24V



**UPSI-2406D**  
144W / 24VDC / 6A



**BP-LFP-1375D**  
99Wh



**BP-LFP-1325D**  
33Wh



**BP-SUC-16090D**  
13.5kJ



**BP-SUC-1645D**  
6.8kJ

24V



**UPSI-2412D**  
240W / 24VDC / 10A



**BP-LFP-2725D**  
64 Wh



**BP-SUC-30090D**  
13.5kJ

12V



**UPSI-1208D**  
96W / 12VDC / 8A



**BP-LFP-1025D**  
25Wh



**BP-SUC-10066D**  
9.8kJ



**BP-SUC-1033D**  
4.9kJ

# UPSI-IP AC/DC OUTDOOR

90-264 VAC / 24 VDC / IP HOUSING

## HIGH QUALITY

Made in Germany

## PRESSURE COMPENSATION

Membrane element

## BUFFERED DC OUTPUT

Regulated output voltage

## IEC/EN 62040-1

Safety Standard

## IP65 PROTECTION

Aluminium housing

## INTEGRATED ENERGY STORAGE

All-In-One solution

## AC INPUT 90-264 VAC

Intelligent inrush current detection / Active PFC



## Backup times & specifications

The presented energy storage devices offer specific backup levels. Find more information on [page 6/7](#) or [www.bicker.de](http://www.bicker.de)



## Outdoor UPS with IP65 protection

Sealed aluminium housing elements and connections are resistant to water, ice, oil and dust.



## Extended temperature range

IP protected UPS unit with integrated LiFePO4 batteries operates from -20°C up to +50°C.



## 'UPSGen2 Configuration' software

Extended functionality, monitoring and pre-parameterizing for self-sufficient operation.

 **UPS + LiFePO4 Inside**

24V



**UPSI-2406IP-38AC**  
144 W / 24 VDC / 6 A

**Application examples**

The rugged outdoor UPS with AC input is ideal for the uninterruptible 24VDC power supply of sensitive measurement and control applications in the areas of environmental protection, infrastructure, security and traffic control technology.



**MOUNTING SET FOR MASTS**

Optional available



 **VISIT OUR  
WEBSHOP**

We are here for you!

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*Note: Subject to errors and technical modifications! The contents of this brochure have been assembled with greatest care and are in line with our current level of information. The current brochure replaces all previous brochures. BE-UPS-R001*



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