



Banner

THE POWER COMPANY

STAND BY BULL

STATIONARY BATTERY APPLICATIONS



- A:** Banner GmbH, A-4021 Linz-Austria, Postfach 777, Banner Straße 1, Tel. +43/ (0)732/ 38 88-0, Telefax Verkauf +43/ (0)732/ 38 88-21599, e-mail: office@bannerbatterien.com
Banner Kunststoffwerk GmbH, A-4030 Linz, Traunauweg 22, Tel. +43/ (0)732/ 38 88-21800, Telefax +43/ (0)732/ 38 88-21850, e-mail: office@bannerkunststoff.com
Banner Batterien Österreich GmbH, A-4021 Linz-Austria, Postfach 777, Banner Straße 1, Tel. +43/ (0)732/ 38 88-0, Telefax Verkauf +43/ (0)732/ 38 88-21599, e-mail: office@bannerbatterien.com
- BG:** Баннер Батерии Б-я ЕООД, BG-1618 София, Ул. Любляна 46, J&L Center, ет. 1., Тел. +359/2/889 01 20, Факс +359/2/889 01 21, e-mail: office.bbg@bannerbatteries.com
- CH:** Banner Batterien International AG, Banner Produkte Weltvertrieb, CH-5746 Walterswil, Banner Straße 1, Tel. +41/(0)840 Banner (226637), Gratisfax +41/(0)800 Banner (226637), e-mail: office.bint@bannerbatterien.com
Banner Batterien Schweiz AG, CH-5746 Walterswil, Banner Straße 1, Tel. +41/(0)840 Banner (226637), Gratisfax +41/(0)800 Banner (226637), e-mail: office.bchw@bannerbatterien.com, e-mail Verkauf: order.bchw@bannerbatterien.com
- CZ:** Banner Baterie ČR, s.r.o., CZ-10400 Praha 10-Uhřetíněves, Přátelství 1011, Tel. (+420) 267 090 510, Telefax (+420) 267 090 522, e-mail: office.bczp@bannerbatteries.com
- D:** Banner Batterien Deutschland GmbH, D-85931 Allershausen (München) - Deutschland, Kesselbodenstraße 3, Telefon: +49/(0)6441/30 73-23000, (0700)BannerCom, (0700)22 66 37 26, Fax: +49/(0)6441/30 73-23099, e-mail: office.bda@bannerbatterien.com
- DK:** Banner Batterier Danmark ApS, DK-2690 Karlslunde, Silovej 14, Tel. +45/ 70 20 60 61, Telefax +45/ 70 20 60 69, e-mail: office.bdk@bannerbatteries.com
- F:** Banner France SAS, F-68170 Rixheim, Zone Industrielle No. 2, 5, Rue Vauban, Tél. +33/ (0)389/ 44 28 38, Téléfax +33/ (0)389/ 54 13 28, e-mail: office.bf@bannerbatteries.com
- GB:** Banner Batteries (GB) Ltd., Units 5-8 Canal View Business Park, Wheelhouse Road, Rugeley, Staffordshire WS15 1UY, Tel. +44/ (0)1889/ 57 11 00, Telefax +44/ (0)1889/ 57 73 42, e-mail: office.bgb@bannerbatteries.com
- H:** Banner Batterien Hungária Kft, H-2330 Dunaharaszti, Ipari park, Jedlik Ányos u. 6, Tel. +36/ 24/ 49 18 91, Telefax +36/ 24/ 49 18 92, e-mail: office.bhb@bannerbatteries.com
- PL:** Banner Polska Sp. z o.o., PL-40861 Katowice, ul. Gliwicka 234, Tel. +48/(0)32/203 72 45, Fax +48/(0)32/203 72 46, e-mail: office.bpl@bannerbatteries.com
- RO:** Banner Baterii Romania s.r.l., RO-077145 Pantelimon, jud. Ilfov, B-dul Biruinței nr. 67, Tel. +4/021/3000 627, Fax +4/021/3000 637, e-mail: office.bro@bannerbatteries.com
- RUS:** ООО «Баннер Баттериен», 143420, Московская обл., Красногорский р-он, пос. Архангельское, Промзона-37
Телефон: +7/(499)504 98 69, Факс: +7/(499)504 98 69, e-mail: office.bru@bannerbatteries.com
- SK:** Banner Baterie SR, s.r.o, SK-83104 Bratislava 3, Vajnorská 134/B, Tel. +421/ (0)2/ 43 63 43 44, Telefax +421/ (0)2/ 43 42 18 74, Mobile +421/ (0)903/ 282 281, 282 850, e-mail: office.bskb@bannerbatteries.com














This product overview is intended to help you find the ideal battery for every application. It illustrates the scope of our range and offers you a selection that ensures a tailor-made battery concept. Our external and in-house customer advisors ensures a tailor-made battery concept. Our external and in-house customer advisors Stand by Bull is a synonym for greater quality, security and performance.



BATTERIE – STAND BY BULL

Banner
THE POWER COMPANY

The right battery for every application

BATTERY TYPE	OPzS cell	OPzS bloc	OGi bloc	SBV bloc	SBX bloc	OPZV cell	FAV bloc	FPL bloc	SCV cell	SBG bloc	GiV bloc	GiV-S bloc	GiVC bloc	
APPLICATIONS														
Other or misused applications can reduce the performance of the life span of the battery.	Telecommunications Emergency power supply Solar operation Safety lighting Power station operation	Emergency power supply Radio links Safety lighting Solar operation	Diesel starting Safety lighting UPS systems	Fire alarm systems UPS systems Diesel starting Safety lighting	UPS systems High-current application Safety lightning	Solar operation Substations Telecommunications Emergency power supply	UPS systems Telecommunications Switchgear Traffic technology	UPS systems Telecommunications Power station operation	UPS systems Switchgear Telecommunications Safety lighting	Mobile radio Railway technology Remote control systems Emergency power supply	Safety lighting Danger warning systems UPS systems	UPS systems Leisure and domestic appliances	UPS systems Leisure and domestic appliances	Solar operation Golf caddies Motor caravans Wind power plants Rehabilitation technology
System	Closed	Closed	Closed	Sealed	Sealed	Sealed	Sealed	Sealed	Sealed	Sealed	Sealed	Sealed	Sealed	
Capacity range in Ah	100 – 3000 ■	50 – 300 ■	25 – 300 ■	18 – 250 ■■	18 – 250 ■■	200 – 3000 ■	40 – 180 ■	100 – 190 ■■	50 – 3850 ■	18 – 230 ■■	1,3 – 70 ■■	5,4 – 45 ■■	18 – 250 ■■	
Voltage	2V single cells	6V, 12V bloc bat.	6V, 12V bloc bat.	12V bloc bat.	12V bloc bat.	2V single cells	12V bloc bat.	12V bloc bat.	2V single cells	6V, 12V bloc bat.	6V, 12V bloc bat.	12V bloc bat.	6V, 12V bloc bat.	
Positive electrode	Tubular plates	Tubular plates	Grid plates	Grid plates	Grid plates	Tubular plates	Grid plates	Grid plates	Grid plates	Grid plates	Grid plates	Grid plates	Grid plates	
Alloy	Lead-Antimony	Lead-Antimony	Lead-Antimony	Lead-Calcium	Lead-Calcium	Lead-Calcium	Lead-Calcium	Pure-Lead	Lead-Calcium	Lead-Calcium	Lead-Calcium	Lead-Calcium	Lead-Calcium	
Electrolyte	Liquid	Liquid	Liquid	AGM **	AGM **	Gel *	AGM **	AGM **	AGM **	AGM **	Gel *	AGM **	Vlies **	
Typical discharge times	1h – 10h	30min – 10h	5min – 1h	5min – 1h	5sec – 30 min	30min – 10h	5min – 1h	5min – 20h	30min – 3h	30min – 3h	5min – 1h	3min – 30min	30min – 10h	
Water refilling intervals (with ceramic plugs)	3 years	2 years	2 years	Not required	Not required	Not required	Not required	Not required	Not required	Not required	Not required	Not required	Not required	
Electrolyte-tight, screwed terminal design, fully insulated	●	●	●	●	●	●	●	●	●	●	●	●	●	
Standard/hinged cover ●	●	●	●											
Valve				●	●	●	●	●	●	●	●	●	●	
Ventilation requirement (accord. VDE 0510)	5	5	5	1	1	1	1	1	1	1	1	1	1	

* With electrolyte gel
 ** With absorbed electrolyte in a glass fibre mat
 ● Standard feature
 ■ Ah - C10/20° C
 ■■ Ah - C20/20° C
 ■■■ Ah - C5/20° C