

## European Solar and Energy Storage Solutions

# Powersafe sbs Ethiopia



## Overview

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What are powersafe® SBS batteries?

Manufactured to the highest international standards, PowerSafe® SBS batteries offer outstanding performance in both float and cyclic applications. The high energy density of these batteries makes them ideal for system upgrades or reduced installation footprint, while still delivering dependable backup protection.

What is a powersafe sbs-190f battery?

The PowerSafe™ SBS-190F battery utilizes unique and proven technology to provide superior performance with an extended service life in compact and energy dense configurations. PowerSafe SBS batteries are manufactured to the highest international standards and are ideal for reliable use in all wireless and fixed-line communication applications.

Why should you use powersafe® SBS monoblocs and cells?

The high charge acceptance of PowerSafe® SBS monoblocs and cells that enables the use of fast charge techniques provides the user with the advantage of reduced time to repeat duty and further extends the number of cycles available during service life to unparalleled levels (figure 9).

Why is the self-discharge rate of powersafe® SBS monoblocs and cells low?

The self-discharge rate of PowerSafe® SBS monoblocs and cells is very low because of the high purity of the grid lead and electrolyte. Monoblocs and cells should be stored in a cool, dry area. High temperature increases the rate of self-discharge and reduces storage life.

What temperature should a powersafe SBS monobloc be operated at?

However, PowerSafe® SBS monoblocs and cells can be operated in the temperature range -40°C to +50°C. In order to maintain mechanical integrity of the plastic components, the battery temperature in operation should not

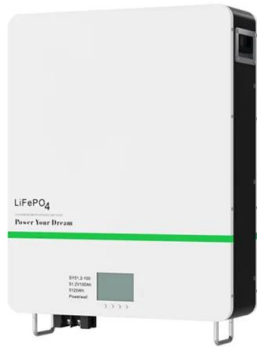
exceed +50°C. Monoblocs and cells lose capacity when standing on open-circuit because of parasitic chemical reactions.

What temperature should a powersafe battery be operated at?

The recommended operating temperature range for optimum life and performance is 20°C. However, PowerSafe® SBS monoblocs and cells can be operated in the temperature range -40°C to +50°C. In order to maintain mechanical integrity of the plastic components, the battery temperature in operation should not exceed +50°C.

## Powersafe sbs Ethiopia

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### PowerSafe SBS

Manufactured to the highest international standards, PowerSafe® SBS batteries offer outstanding performance in both float and cyclic applications. The high energy density of these batteries makes them ideal for system upgrades or reduced installation footprint, while still delivering dependable backup protection.

### PowerSafe® SBS ??

PowerSafe® SBS ????????????(TPPL)??,????????????  
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- IP65/IP55 OUTDOOR CABINET
- OUTDOOR TELECOM CABINET
- OUTDOOR ENERGY STORAGE CABINET
- 19 INCH

### PowerSafe® SBS Performance Specifications

AM-SBS-PS AA January 2019 Features and Benefits o Capacity range 7-361Ah o 2V, 6V and 12V monobloc configurations o Multiple string configurations available o Two year shelf life o SR-4228 compliant o Long service life o High energy density and cycling capability

### Baterías POWERSAFE SBS

Diseñadas con la exclusiva tecnología Enersys TPPL (thin plate pure lead), que utiliza plomo 99,99% virgen en la construcción de las placas,

las baterías PowerSafe SBS presentan una elevada densidad de energía, mayor resistencia a altas temperaturas (hasta 50°C) y una muy baja resistencia interna que permite elevadas tasas de carga y descarga.



### **EnerSys PowerSafe SBS-190F Battery 12V 190Ah Front Term**

PowerSafe SBS-190F batteries are designed to cope with elevated temperatures and harsh environments. The advanced thin plate, pure lead technology and unique manufacturing methods, used by EnerSys®, make PowerSafe SBS batteries the choice for long and trouble-free service.



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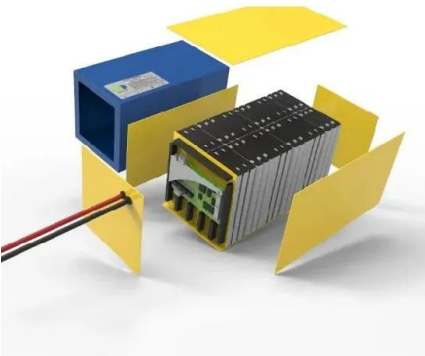
### **Bateria Powersafe SBS XC+ 190F-FT 190Ah**

As baterias do PowerSafe SBS XC+ também contribuem para evitar a substituição do gerador e reduzir as emissões de CO2 e a poluição sonora. Ideal para: SAI/UPS. Telecomunicações. Vantagens e características da bateria POWERSAFE SBS XC+ 190F-FT 190Ah (10h) 12V.



## EnerSys PowerSafe SBS-190F Battery 12V 190Ah Front ...

PowerSafe SBS-190F batteries are designed to cope with elevated temperatures and harsh environments. The advanced thin plate, pure lead technology and unique manufacturing methods, used by EnerSys®, make PowerSafe SBS ...



## Akumulatory PowerSafe® SBS

Akumulatory PowerSafe® SBS są dostępne w wersjach 12-woltowej z zaciskami z przodu i 2-woltowej OPzV oraz OPzS DIN w szerokim zakresie pojemności, co zapewnia swobodę dopasowania do każdej konfiguracji. Akumulatory zaspokoją wszystkie potrzeby w przypadku zarówno małego zakładu, jak i dużej infrastruktury telekomunikacyjnej

## PowerSafe® SBS Application Guide

PowerSafe® SBS batteries have been developed to retain the long float life characteristics associated with Thin Plate Pure Lead (TPPL) Technology and has the added capability to deliver high performance in harsh applications where cyclic duty predominates. PowerSafe®

SBS batteries delivers superior performance in grid assist ® ® ®) C



Our Lifepo4 batteries can beconnected in parallels and in series for larger capacity and voltage.



## PowerSafe® SBS® EON Technology® ??

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## APPLICATION GUIDE

PowerSafe® SBS TPPL battery designs, EON Technology® monoblocs and cells have been developed to provide high performance in applications where the battery is subjected to repeated cyclic duty, in challenging operating conditions (high temperatures, unreliable grids, ...



## ALPINE ENERSYS POWERSAFE SBS SERIES INSTALLATION AND

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View and Download Alpine EnerSys PowerSafe SBS Series installation and operating instructions online. Flooded Flat-plate Fast Charge Motive Power Batteries. EnerSys PowerSafe SBS Series battery pack pdf manual download.





separate battery room is not required o  
 PowerSafe SBS is ideal for installation as an  
 integral part of a standby system due to its long  
 life o PowerSafe SBS is also available for  
 underwater applications Standards o Fully  
 compliant with BS 6290

## Batteries PowerSafe® SBS® EON Technology®

BATTERIES POWERSAFE® SBS EON  
 TECHNOLOGY : LA SOLUTION IDÉALE POUR  
 VOTRE INFRASTRUCTURE. Les batteries  
 PowerSafe® SBS EON Technology sont  
 disponibles en version frontale 12 volts et en  
 conteneurs OPzV et OPzS DIN 2 volts, ainsi qu'en  
 une large gamme de capacités ampères-heures  
 (Ah), offrant ainsi la souplesse nécessaire pour ...



## Baterías Powersafe SBS 190F 12 V 190 Ah Argentina

PowerSafe(TM) SBS-190F. La batería  
 PowerSafe(TM) SBS-190F utiliza una tecnología  
 única y comprobada para brindar un rendimiento  
 superior con una vida útil prolongada en  
 configuraciones compactas y de alta densidad  
 energética. Las baterías PowerSafe SBS se  
 fabrican con los más altos estándares  
 internacionales y son ideales para un uso  
 confiable en ...

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?:PowerSafe® SBS® EON Technology® ??????  
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**1075KWHH ESS**



## Aperçu de la gamme

par ex. : "SBS J13X"). Schémas d'encombrement  
 Types SBS 8 à 60 Types SBS J Types SBS  
 110-390 Types SBS B8 & B10 Types SBS B8F &  
 B10F Publication No. FR-SBS-RS-012-01.2021  
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 Road, Reading, PA 19605, USA Tel.:  
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 EMEA EH Europe GmbH, Baarerstrasse 18, 6300  
 Zug

## PowerSafe® SBS ??

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## PowerSafe Batéria SBS V 12V170FS, 12V, 170Ah

Kompletnú ponuku batérií PowerSafe nájdete na  
 Prihlásenie k vášmu útu. Nemôžete vyplniť toto  
 pole. Prihlásiť sa. Nová registrácia Zabudnuté  
 heslo. PowerSafe Batéria SBS V 12V170FS, 12V,  
 170Ah Kód: E7184. Značka: EnerSys. EUR1.066



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Sbs????????????????????,????????????????

- LIFePO<sub>4</sub>
- Wide temp: -20°C to 55°C
- Easy to expand
- Floor mount&wall mount
- Intelligent BMS
- Cycle Life:≥6000
- Warranty :10 years



## Contact Us

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For catalog requests, pricing, or partnerships, please visit:  
<https://ssab-proiect.eu>