

# BATTERY ENERGY STORAGE SYSTEM

BESS

**Replace your traditional generator with the Storgi BESS. This construction site battery is plug & play and makes your site more sustainable by utilizing a circular battery system. With our as-a-service model, you benefit from a worry-free installation, maintenance on our recycled batteries, and guaranteed capacity.**

## Sustainable

Our circular system, incorporating recycled batteries, reduces CO<sub>2</sub> emissions and cuts your fossil fuel costs. No emissions. No fuel. Moving towards a greener world!

## As-a-Service

Our service is based on the 'as-a-service' model. We handle the delivery and installation of the Storgi BESS and provide technical maintenance on the recycled VRLA batteries.

## Fast Delivery

The Storgi BESS is plug-and-play and comes with a quick delivery time of less than 5 weeks. Additionally, we always maintain a large stock of batteries and ensure a high-quality product.



## We offer you the tool to manage energy efficiently and ecologically.

The container is equipped with recycled VRLA batteries capable of storing up to 500 kWh of energy. This allows you to use energy wherever and whenever you need it.

Our battery container can integrate easily into your existing energy network that utilizes renewable energy sources and grid connections.

Our products are sturdy, safe, and easy to transport, making them perfect for supplying power to any location in need.

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## SPECIFICATIONS

Vermogen	<b>Vermogen &amp; connections</b> Input: 350 kW @ 400V AC $\pm$ 5% Output: 0 - 350 kW @ 400V AC $\pm$ 2%
Zelfontladingspercentage	Tussen 0,2 en 6 kWh -> Afhankelijk van omgevingstemperatuur 2 kWh nominaal in actieve modus 0,2 kWh in slaap modus
Input	Nominale input voltage AC - 400V Nominale input current AC - < 80-160A / fase Nominale input frequency - 50Hz
Output	Continu vermogen - 250kVA Nominale output voltage AC - 400V Nominale output current AC - 362A / fase Nominale output frequency - 50Hz 3P + N
Afmetingen	<b>Container &amp; temperatuur</b> Input: 350 kW @ 400V AC $\pm$ 5% Verstevigde standaard 20 voet zeecontainer L x B x H: 6.06 x 2.43 x 2.59 m Op maat gemaakte afmetingen mogelijk Netto gewicht 20.000kg gevuld met batterijen
Operationele temperatuur	-10°C minimum tot 40°C maximum Optimale werkingstemperatuur: +15°C tot +25°C
Temperatuur controle	Hergebruik hitte van de omvormer/UPS Actieve ventilatie Optioneel: Swamp-cooling
Type	<b>Batterijen</b> Lood-Zuur VRLA accu's (OPzV / OPzS / NiCad) Chemisch stabiel en niet ontvlambaar Optioneel: Totale batterij capaciteit = tot 750kW
Werking	6.000 levens cyclussen Efficiëntie tot 95% Werkingstemperatuur: -10°C minimum tot 40°C maximum 8 reeksen parallel van 30 batterijen (12V; 190Ah C10) Max ontlading batterij bij 1,9V per cell -> batterij wordt niet volledig ontladen = langere levensstijd
Certificaties en standaarden	IEC 60146-1-1:2009, IEC 62040-1/2:2008, IEC 60335, IEC 61204
Garantie	10 jaar of 10.000 cyclussen garantie op batterypack 2 jaar garantie op andere stukken