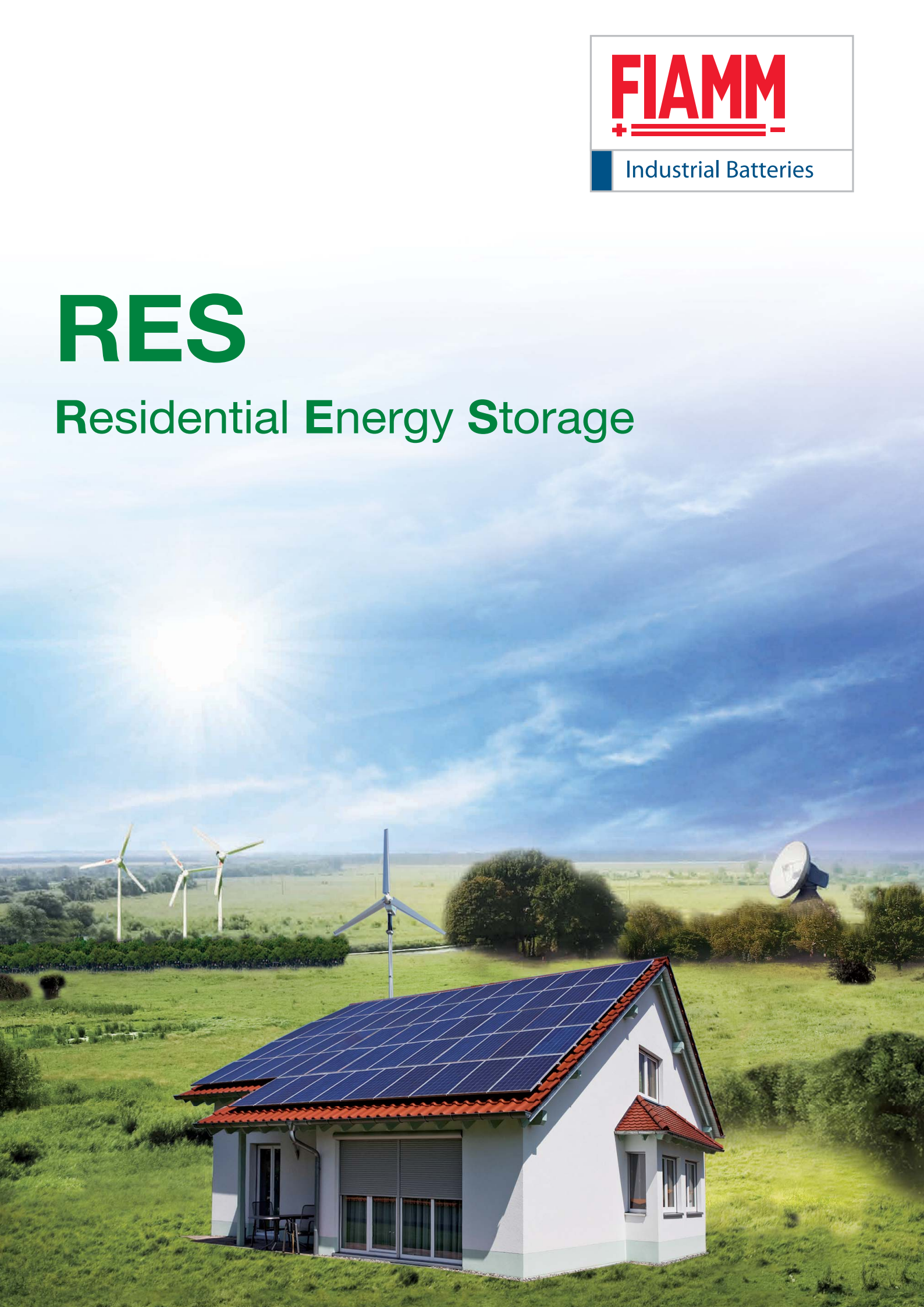


FIAMM

Industrial Batteries

RES

Residential Energy Storage



RES

Residential Energy Storage

Independent Power

Optimise your energy consumption costs through reliable energy storage

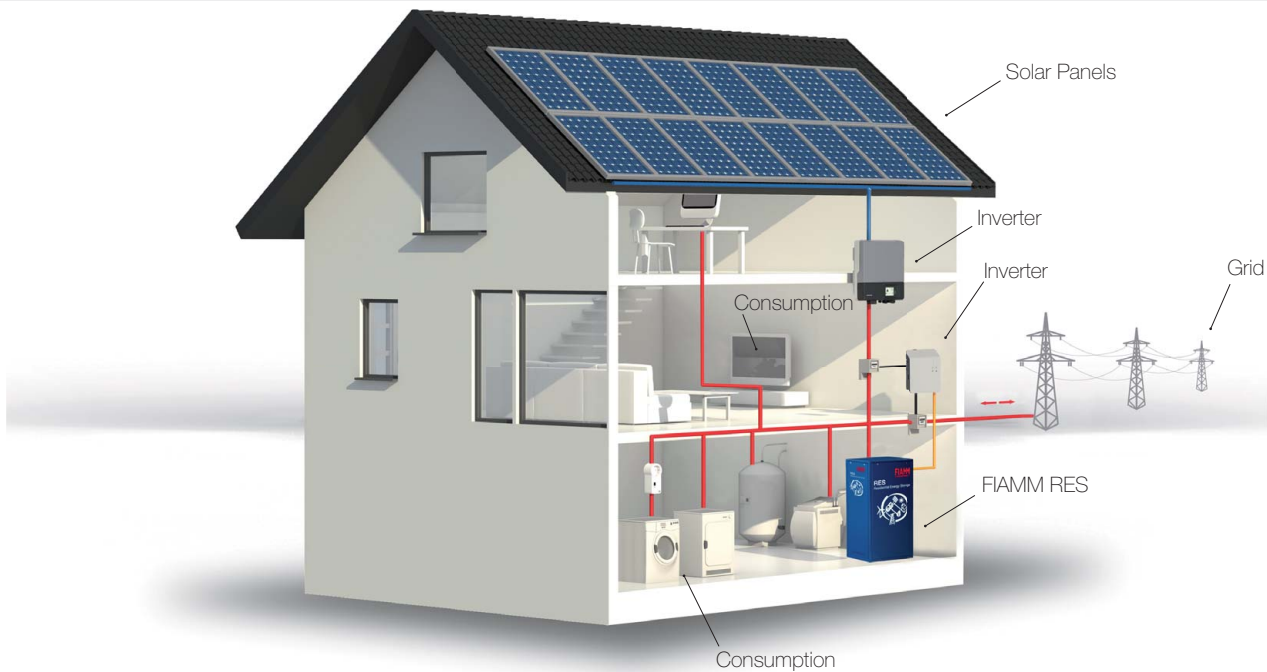
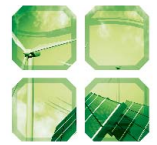
FIAMM RES (Residential Energy Storage) is the most reliable solution to store energy generated by your renewable sources for residential consumption.

FIAMM RES has been specifically designed to ensure you significantly optimise the efficiency and performance of your PV/wind system. In fact, by storing your own energy independently not only will you reduce your electric bill, but also avoid having to feed any excess electricity you produce back into the grid.

Thanks to its 7.2 kWh, your house will always have the sufficient energy it needs to run, even during cloudy or windless conditions.

In addition, FIAMM RES also functions as a reliable emergency UPS system by ensuring backup power supply in the event of grid disturbances or failure.





Gel VRLA Technology - Simple, Safe and Clean

- Sealed VRLA batteries with electrolyte immobilized in gel structure
- Outstanding for deep discharges even at elevated temperatures
- Short recharge time
- <2% self-discharge per month at 20°C
- Maintenance-free without topping-up (excellent internal recombination)
- Low gas emission design
- Battery containers constructed with ABS IEC 707 FV0 - UL 94 V0 flame retardant plastics
- Batteries equipped with flame arrestors designed to prevent any errant spark or flame from entering the batteries
- Cabinet completely secured thanks to 1.3mm laminated steel doors (EN10130:2006), air vents and safety seals
- Minimum floor space requirements thanks to the cabinet's horizontal design
- Safety elements and cabling provided with the system
- Easy installation, scalable modular structure (basic module: 7200 Wh)
- Completely recyclable



Key Features

Nominal voltage: 24-48V

Nominal energy: 7200 Wh

Cycles: 2000 at 50% DoD

Dimensions (L x D x H): 350 x 630 x 940mm

Applicable Standards

- EN 50272-2 - safety requirements
- IEC 61427 - photovoltaic energy systems
- DIN 43539T5 - deep discharge
- IEC 60896 Part 21 - VRLA methods of testing
- IEC 60896 Part 22 - VRLA requirements
- Eurobat "Long Life" - 12 years and longer
- KfW - Bankengruppe Germany

FIAMM Manufacturing

- ISO 9001 - Quality Management System
- ISO 14001 - Environmental Management System
- OHSAS 18001 - Workplace Safety & Health

FIAMM

Industrial Batteries

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