

Alpha Energy Storage Solution Co., Ltd.

GERMANY:

☎ +49 (0)6103 / 459 160-1

✉ europe@alpha-ess.de

🌐 www.alpha-ess.de

🏡 Paul-Ehrlich-Straße 1a,
63225 Langen

CHINA:

☎ +86 (0)512 682 876 09

✉ info@alpha-ess.com

🌐 www.alpha-ess.com

🏡 NW2, Nano Polis, No. 99 Jinji Lake Avenue,
Industrial Park, Suzhou, 215123

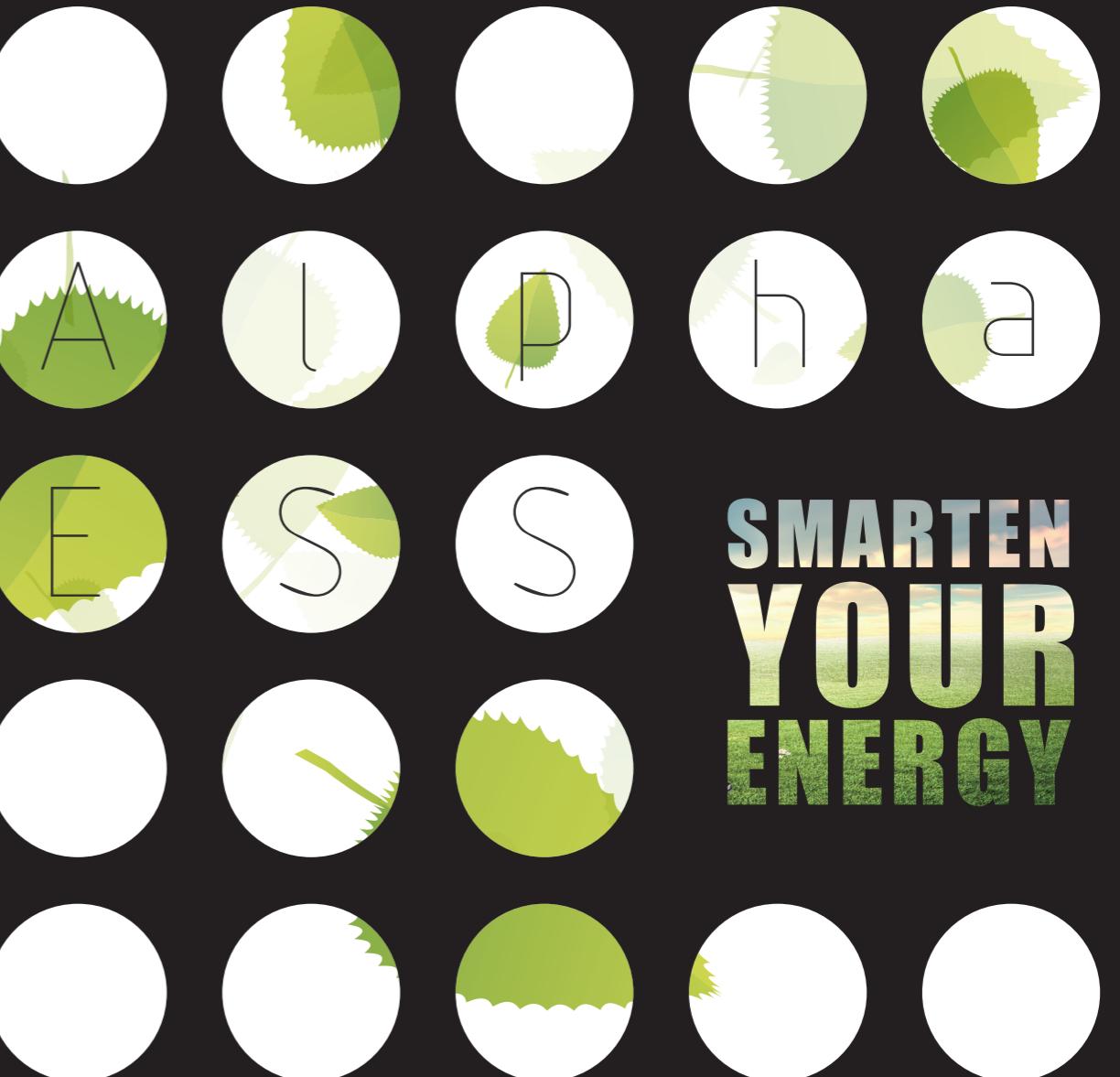
AUSTRALIA:

☎ 1300 968 933 (Australia Only)

✉ australia@alpha-ess.com

🌐 www.alpha-ess.com.au

🏡 Unit M601, 68 McEvoy St,
Alexandria Nsw 2015



Alpha·ESS



Company Introduction

S M A R T E N Y O U R E N E R G Y

AlphaESS, founded in 2012 as an international high-tech company, has spread its business throughout Europe and other countries in the world.

With years of experience in new energy and lithium battery industries, AlphaESS team has been dedicated to providing users with advanced energy storage products and smart energy management services.

By using products and services provided by Alpha, users can manage energy generating, storing and utilizing by their own to reduce energy consumption, cut electricity costs, improve safe use of electricity, and then achieve the green life with energy self-sufficiency.

Our Products



Multi-function

- ① Maximize PV self-consumption
- ② UPS function in case of grid outage
- ③ Load shifting
- ④ Power shaving/Demand charge management
- ⑤ Load management/Demand response



Reliability

- ① German design
- ② German quality standard
- ③ 5 years product warranty
- ④ 10 years battery performance warranty
- ⑤ 20 years estimated lifetime



Safety

- ① Lithium Iron phosphate, the safest chemistry among all lithium battery types
- ② Premium power battery cells provided by world's top 5 manufacturers
- ③ BMS design: 3 levels of software protection + 2 levels of redundant hardware protection
- ④ EMS design: Extra protections implemented in the system integration
- ⑤ Online real time monitoring and professional technical support from AlphaESS



Compatibility

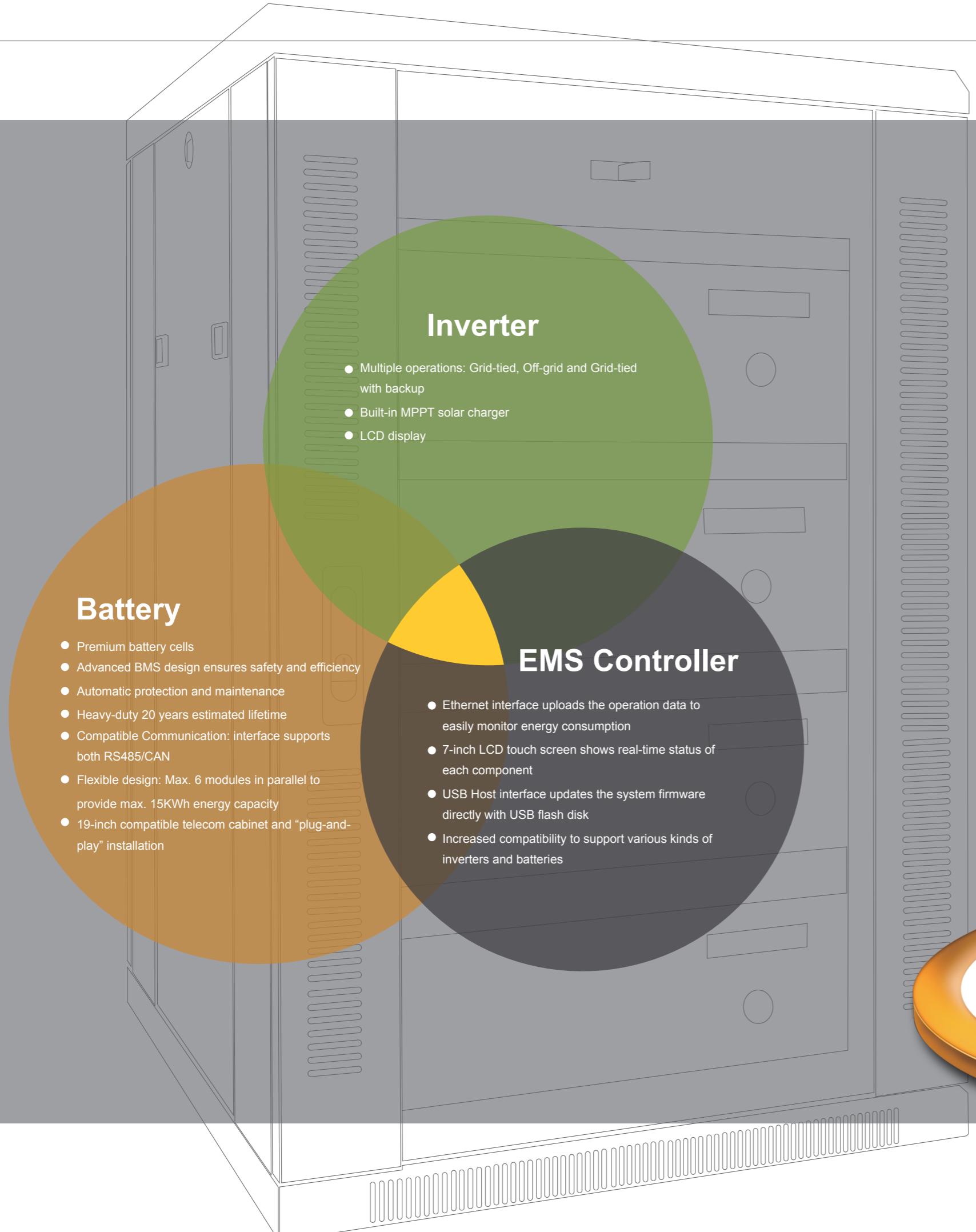
- ① Compatible for both new installation and retrofit systems (both AC/DC coupling)
- ② Modular battery design for easy extension
- ③ Independent BMS in each battery module for flexible operation



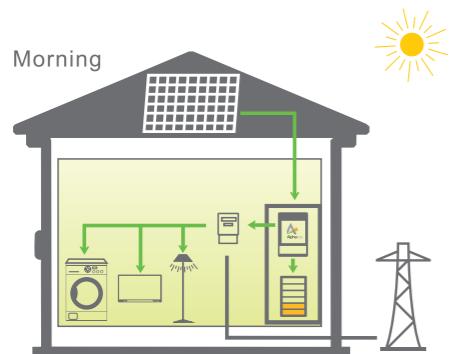
Service

- ① Free online visualization portal with user-friendly website design
- ② Easy updating by using standard USB flash
- ③ Possible system updates via Internet
- ④ Future energy Internet secured
- ⑤ Online technical support by AlphaESS

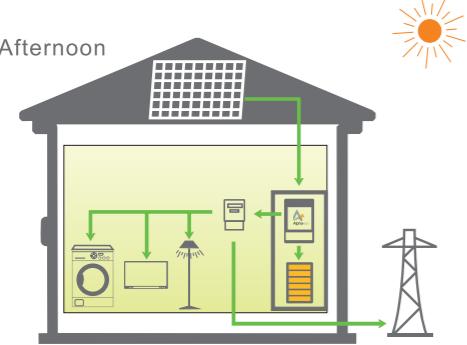
Our Products



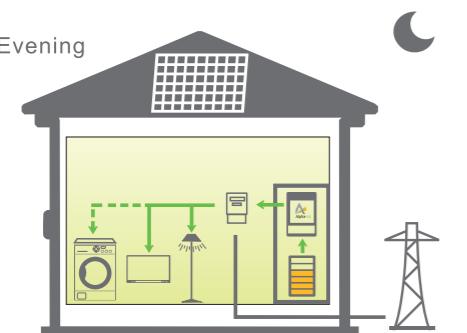
System operation



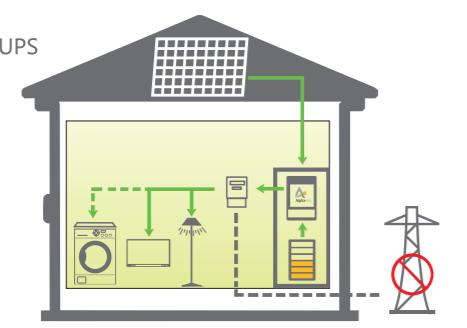
The energy produced by the PV module is used to optimize self-consumption; the surplus energy will be used to recharge the batteries.



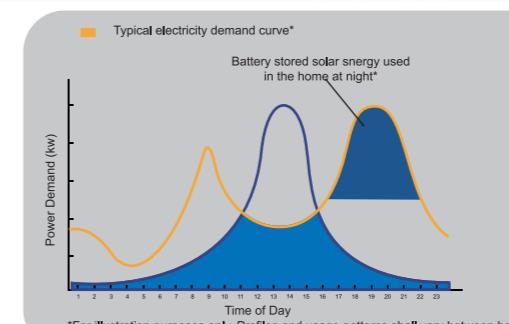
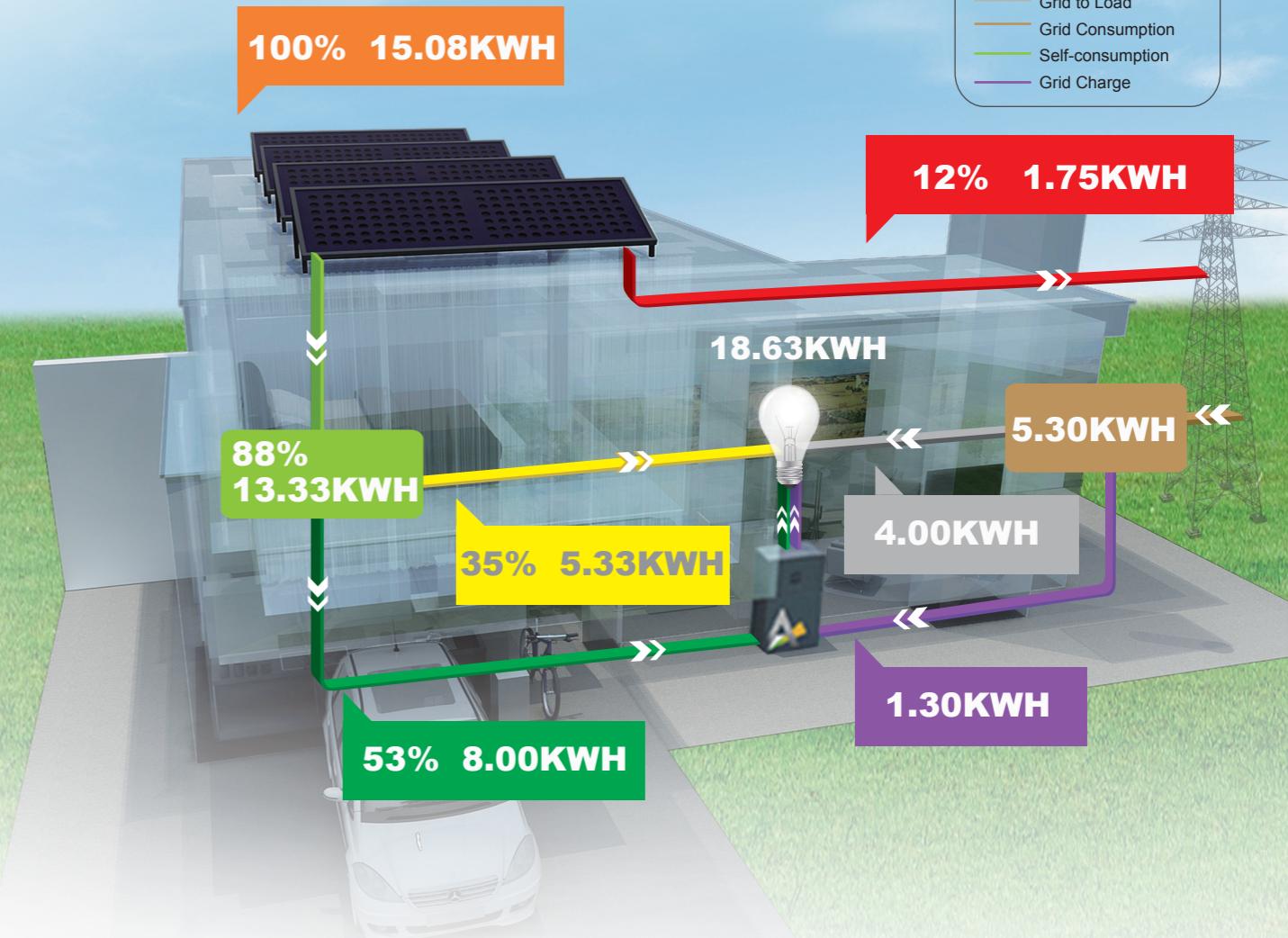
When the batteries are fully charged and Alpha system already meets your self-consumption requirements, the surplus energy will be fed into public grid.



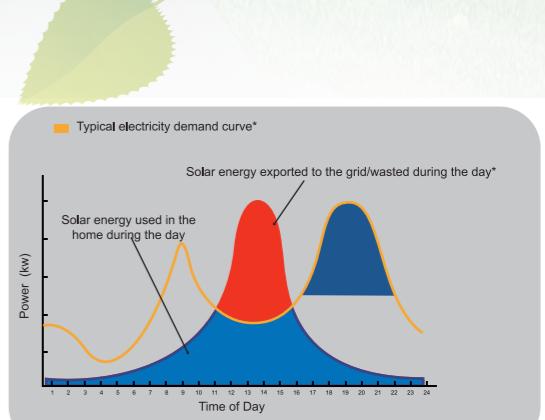
Once the sun sets, Alpha system will automatically switch to battery-stored energy. If the battery capacity or power is insufficient to meet your consumption requirements, electricity will then be obtained from public grid.



When the grid fails, Alpha system can switch to off-grid mode automatically and supply the loads.



The Graphs show the electricity produced during the day and used at home, with the surplus electricity charged into the battery storage unit, which is then stored for later use when the sun sets.



*For illustration purposes only. Profiles and usage patterns shall vary between homes.

V isualization



Release the full potential of our products by using the brand new web application on your favorite browser or APPs.

These tools will allow you to monitor your PV energy use, the battery status, the incomes generated by our products and even more!

Check it out on your favorite store!



Your installer information

Name:

Address:

Phone:

E-mail:

