


# AlphaESS

AN ENERGY STORAGE SOLUTION PROVIDER  
COVERING THE FULL POWER RANGE



**YOUR SMART ENERGY**





Make clean energy accessible to everyone  
in the world.



AlphaESS is one of the world-leading energy storage solution and service providers. The company specialises in residential and commercial applications, delivering pre-eminent products and fit-for-purpose solutions. With 15+ subsidiaries in the globe, AlphaESS provides local services and supports 100,000+ systems actively running in over 90+ countries, enabling millions of people to enjoy reliable, accessible and clean energy.



11

Years Since 2012



100,000+

Systems Installed Globally



90+

Countries & Regions



4

Product Development Units



150+

Patents in ESS Field



15+

Subsidiaries Worldwide



80,000m<sup>2</sup>

Production Facility



1,000+

Employees in the Globe

GLOBAL PRESENCE / AWARDS AND CERTIFICATION



iF & Reddot & G-mark  
Design Award



TOP BRAND PV  
(STORAGE)



ees & THE smarterE  
award finalist



2022 TOP 1  
Australia Market  
Share



2021 Top 3  
overseas shipments  
ESS integrator



2021 TOP 5 residential  
energy storage solution  
provider in Germany



2021 TOP 6 supplier of  
global residential  
storage systems



Global Warranty

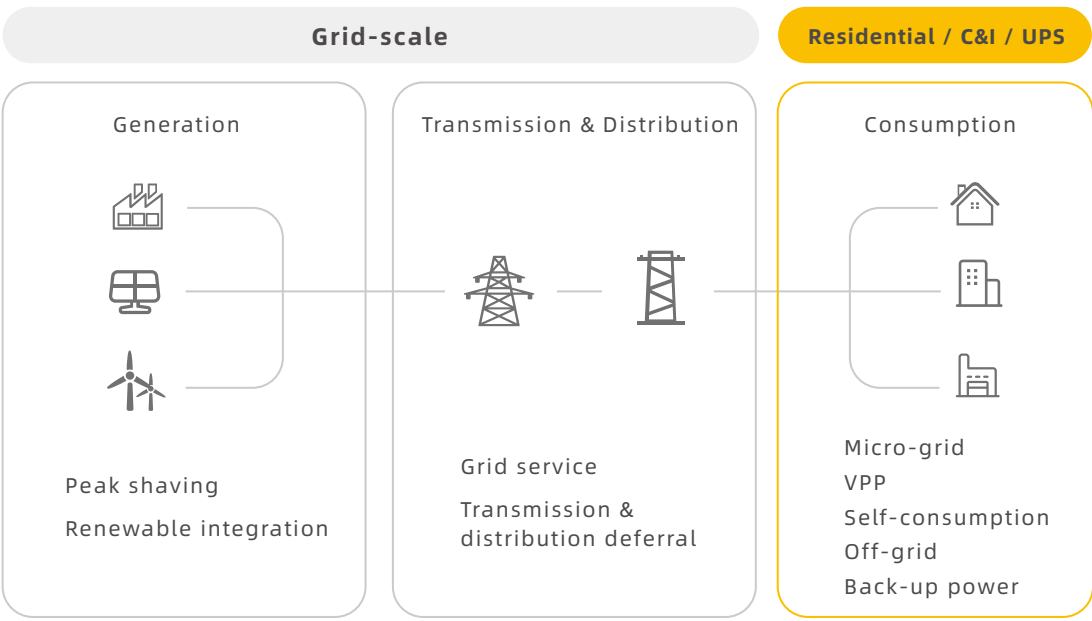


Global Warranty

OUR EXPERTISE



MAJOR APPLICATIONS



WHY ALPHAESS

1. Safety First

ONLY

**The safest chemistry LiFePO4**

We use only LiFePO4 batteries to ensure our customers benefit from premium electrical characteristics while maintaining the highest safety standards.

**The most robust cell types**

To ensure long mechanical lifespans and safety, AlphaESS never uses unreliable casing materials.

**Global TIER 1 cell manufacturer**

2. Core Technology

Application

Energy Transformation

Energy Conservation

Smart Home

Capitalization

**Secondary Development from Our Partners**

Platform	<div> Prediction</div> <div> AI Algorithm</div>	<div> Scheduling</div> <div> Big Data</div>	<p><b>AlphaESS Core</b></p> <p>Building a "Windows or Android System" within the Energy Sector</p> <p>ESS covering full power range / power facilities</p>
Communication Control	<div> 5G/4G Power Carrier</div> <div> BMS</div>	<div> Cloud Communication</div> <div> EMS</div>	
Hardware	<div> Power Generation/ Transmission/ Distribution</div>	<div> Grid</div>	

3. Smart Energy

AlphaCloud

Connects all the AlphaESS systems and enables monitoring, smart control, trading and energy service.

Make maximum use of your PV system

Intelligently control your system to maximize self-consumption

Set parameters control and build VPP

Monitor your system 24/7 and upgrade it remotely

Enjoy a smart home with IoT compatibility



Battery Management System

Alpha BMS Research Institute

50+ BMS R&D veteran researchers with 10+ year ESS BMS

High SOC Accuracy

Our SOC algorithm is 97% accurate

Comprehensive Protection

3-level software protection  
Redundant hardware level protection

Functional Safety

ASIL (Automotive Safety Integrity Level) hardware (Level D), software and system architecture  
IEC61508 testing, the highest level (D)  
Comprehensive and optimized protection including multiple monitoring items, POST, hardwired alarm system, multiple protection during operation



Energy Management System

Multifunctional and Powerful

Local absorption, reducing PV power abandonment  
Peak and frequency regulation  
PV power self-consumption  
Load shifting  
Backup power supply, UPS/EPS  
Peak shaving  
Micro/Off-grid control  
Demand charge management

Highly Compatible

Enabling external control through SCADA, MODBUS, ETHERNET, etc.

Safety

Safety control designs  
Industry-leading cloud computing  
Financial-grade security





## Residential

3kW - 20 kW

- SMILE-G3
- SMILE-G3-T4~10
- SMILE-G3-T12~20
- SMILE-S6-HV
- SMILE-T10-HV
- SMILE-B3
- SMILE-B3-PLUS
- SMILE-S5
- SMILE5
- SMILE-SP/SPB SERIES
- SMILE-G3-EVCT11



WE DO MORE THAN **STORE** POWER  
WE MAKE IT **SMART**



UPS Ability



24/7 Online Monitor



Safe and Reliable (LFP ONLY)



Modular Design



High Compatibility



Easy Installation and Expansion



# SMILE Series





## SMILE-G3: 3.68kW / 5kW Expandable to 60.5kWh

### ① SMILE-G3-INV

#### Hybrid inverter

##### SMILE-G3-S3.6

Max. PV input 7.36 kW  
Nominal output 3.68 kW

##### SMILE-G3-S5

Max. PV input 10 kW  
Nominal output 5 kW

#### AC-Coupling

SMILE-G3-B5 Nominal output 5 kW

610 x 212 x 366 mm (W x D x H) / 19.5 kg

230 V rated voltage

IP65 (Outdoor)

Open API, modbus control portal



VPP Ready



Grid-Forming



Smart  
Off-Grid



High Max.  
PV Input



High PV Input  
Current



Better Backup  
Overload Capability

### ② Battery Module Options



SMILE-G3-BAT-3.8S

IP21 (Indoor)  
1-4 units (series)  
1C, 95% DoD, 96 V  
39.2 kg  
610 x 212.5 x 435 mm  
(W x D x H)  
3.8 - 15.4 kWh



SMILE-G3-BAT-8.2P

IP21 (Indoor)  
Max. 6 units (parallel)  
1C, 95% DoD, 256 V  
78.3 kg  
610 x 250 x 793 mm  
(W x D x H)  
8.2 - 49.2 kWh



SMILE-G3-BAT-10.1P

IP65 (Outdoor)  
Max. 6 units (parallel)  
0.5C, 95% DoD, 96 V  
90 kg  
610 x 212 x 793 mm  
(W x D x H)  
10.1 - 60.5 kWh

## SMILE-G3-T4~10: 4 / 6 / 8 / 10kW Expandable to 49.2kWh

### ① SMILE-G3-T4~10-INV

#### Hybrid inverter

Max. PV input 8/12/16/20 kW

Nominal output 4/6/8/10 kW

610 x 212.5 x 416 mm (W x D x H)

26.7 kg

380 V rated voltage

IP65 (Outdoor)

Open API, modbus control portal

SMILE-G3-T4~10-INV

Batteries



Redundant Design  
without HV Box



Higher PV Input  
(3 MPPT)



Capable of 150%  
Unbalancing per Phase

### ② Battery Module Options

IP21 (Indoor)

2-6 units (series)

1C, 95% DoD, 96 V

39.2 kg

610 x 212.5 x 435 mm  
(W x D x H)

7.7 - 23 kWh



SMILE-G3-BAT-3.8S

IP21 (Indoor)

Max. 6 units (parallel)

1C, 95% DoD, 256 V

78.3 kg

610 x 250 x 793 mm  
(W x D x H)

8.2 - 49.2 kWh



SMILE-G3-BAT-8.2P

## SMILE-G3-T12~20: 12 / 15 / 20kW Expandable to 49.2kWh

### ① SMILE-G3-T12~20-INV

Hybrid inverter

Max. PV input 24/30/40 kW

Nominal output 12/15/20 kW

610 x 250 x 610 mm (W x D x H)

44 kg

380 V rated voltage

IP65 (Outdoor)

Open API, modbus control portal

SMILE-G3-T12~20-INV

Battery



Elegant Design



Higher PV Input  
(3 MPPT)



Commercial Applications  
Compatibility

## SMILE-S6-HV: 6kW Expandable to 49.2kWh

### ① SMILE-S6-HV-INV

Hybrid inverter

Max. PV input 9 kW DC.

Nominal output 6 kW AC.

100Amp integrated charger

580 x 230 x 440 mm (W x D x H) / 25 kg

IP65 (Outdoor)

UPS 6 kW continuous for critical loads

Open API, modbus control portal

With PV and battery isolator, AC circuit breaker on the side

SMILE-S6-HV-INV

Batteries



VPP Ready



Full 6kVA Backup



AFCL & Rapid Shutdown



High Efficiency Battery

### ② Battery Module Options

IP21 (Indoor)

2-6 units (series)

1C, 95% DoD, 96 V

39.2 kg

610 x 212.5 x 435 mm  
(W x D x H)

7.7 - 23 kWh

3.8 kWh  
Up to 6



SMILE-G3-BAT-3.8S

IP21 (Indoor)

Max. 6 units (parallel)

1C, 95% DoD, 256 V

78.3 kg

610 x 250 x 793 mm  
(W x D x H)

8.2 - 49.2 kWh

8.2 kWh  
Up to 6



SMILE-G3-BAT-8.2P

### ② Battery Module Options

IP21 (Indoor) / IP65 (Outdoor)

Max. 6 units (parallel)

5 kWh module

1 C, 95% DoD, 153.6 V

50 kg

580 x 183 x 530 mm  
(W x D x H)

5 - 29.5 kWh

5 kWh  
Up to 6



SMILE-BAT-5PH

IP65 (Outdoor) / IP21 (Indoor)

Max. 6 units (parallel)

8.2 kWh module

1C, 95% DoD, 256 V

71 kg (Indoor) / 75 kg (Outdoor)

580 x 230 x 730 mm (W x D x H)  
(Indoor)

580 x 230 x 820 mm (W x D x H)  
(Outdoor)

8.2 - 49.2 kWh

8.2 kWh  
Up to 6



SMILE-BAT-8.2PH  
(Indoor)

SMILE-BAT-8.2PH-P  
(Outdoor)



## SMILE-T10-HV: 10kW Expandable to 49.2kWh

### ① SMILE-T10-HV-INV

Hybrid inverter

Max. PV input 16 kWp (2 MPPT)

Max. output power 10 kW

580 x 230 x 606 mm (W x D x H) / 30 kg

380 V / 400 V rated voltage

IP65 (Outdoor)

An integrated high voltage cable box with PV and battery isolator, AC circuit breaker

BMS & EMS integrated

SMILE-T10-HV-INV

Battery



160% PV Input



Three Phase Output



High Voltage & High Efficiency

### ② Expandable Battery Module

IP65 (Outdoor) / IP21 (Indoor)

Max. 6 units (parallel)

8.2 kWh module

1C, 95% DoD, 256 V

71 kg (Indoor) / 75 kg (Outdoor)

580 x 230 x 730 mm (W x D x H) (Indoor)

580 x 230 x 820 mm (W x D x H) (Outdoor)

8.2 - 49.2 kWh

8.2 kWh  
Up to 6



SMILE-BAT-8.2PH  
(Indoor)

SMILE-BAT-8.2PH-P  
(Outdoor)

## SMILE-B3: 3kW / 2.9kWh Expandable to 17.2kWh

### All-in-one Module

AC-Coupling

Nominal output 3 kW AC.

Built-in 2.9 kWh battery module

610 x 219 x 650 mm (W x D x H)

50 kg

IP65 (Outdoor) / IP21 (Indoor)

Open API, modbuscontrol portal

3 kW  
2.9 kWh



Retrofit



AC-Coupling



Built-in Battery

### Expandable Battery Module

IP65 (Outdoor) / IP21 (Indoor)

Max. 5 units (parallel)

1C, 96% DoD, 51.2 V

39 kg

610 x 220 x 305 mm (W x D x H)

2.9 - 17.2 kWh

2.9 kWh  
Up to 5



M4856-P

## SMILE-B3-PLUS: 3kW / 5.04kWh Expandable to 30.24kWh

### All-in-one Module

AC-Coupling

Nominal output 3 kW AC.

Built-in 5.04 kWh battery module

640 x 250 x 725 mm (W x D x H)

60 kg

IP65 (Outdoor)

Open API, modbus control portal



VPP Ready



Compatible with All  
Solar Inverters



Slim but Powerful



Built-in Battery

## SMILE-S5: 5kW / 5.04kWh Expandable to 30.24kWh

### All-in-one Module

Hybrid inverter

Max. PV input 8 kW DC.

Nominal output 5 kW AC.

Built-in 5.04 kWh battery module

640 x 250 x 745 mm (W x D x H) / 75 kg

IP65 (Outdoor)

UPS 20A continuous for critical loads

Open API, modbus control portal



VPP Ready



Compatible with All  
Solar Inverters



Slim but Powerful



Built-in Battery

### Expandable Battery Module

IP65 (Outdoor)

Max. 5 units (parallel)

0.5C, 95% DoD, 48V

45 kg

640 x 250 x 345 mm (W x D x H)

5.04 - 30.24 kWh



SMILE-BAT-5P

### Expandable Battery Module

IP65 (Outdoor)

Max. 5 units (parallel)

0.5C, 95% DoD, 48 V

45 kg

640 x 250 x 345 mm (W x D x H)

5.04 - 30.24 kWh



SMILE-BAT-5P

## SMILE5: 5kW Expandable to 80kWh

### ① SMILE5-INV

Hybrid inverter

Max. PV input 6.66 kW DC.

Nominal output 5 kW AC.

100Amp integrated charger

610 x 210 x 627 mm (W x D x H) / 30 kg

IP65 (Outdoor)

UPS 4 kW continuous for critical loads

Open API, modbus control portal

An integrated cable box with PV and battery isolator, AC circuit breaker



Best Seller



VPP Ready



Classic Design

### ② Battery Module Options

2.9 kWh  
Up to 6



M4856-P

IP65 (Outdoor) /  
IP21 (Indoor)

Max. 6 units (parallel)

1C, 96% DoD, 51.2 V

39 kg

610 x 220 x 305 mm  
(W x D x H)

2.9 - 17.2 kWh

5.7 kWh  
Up to 6



SMILE5-BAT

IP65 (Outdoor) /  
IP21 (Indoor)

Max. 6 units (parallel)

0.5C, 96% DoD, 51.2 V

73 kg

610 x 207 x 629 mm  
(W x D x H)

5.7 - 34.4 kWh

10.1 kWh  
Up to 6



SMILE-BAT-10.1P

IP65 (Outdoor) /  
IP21 (Indoor)

Max. 6 units (parallel)

0.5C, 96% DoD, 48 V

95 kg

610 x 236 x 678 mm  
(W x D x H)

10.1 - 60.6 kWh

13.3 kWh  
Up to 6



SMILE-BAT-13.3P

IP65 (Outdoor)

Max. 6 units (parallel)

0.35C, 100% DoD, 48 V

121 kg

610 x 236 x 816 mm  
(W x D x H)

13.3 - 80 kWh

North America Only

## SMILE-SP/SPB SERIES: 7.6kW/9.6kW Expandable to 49.2kWh

### ① SMILE-SP(SPB)7.6/9.6-INV

SMILE-SP7.6/9.6

DC-Coupling

SMILE-SPB7.6/9.6

AC-Coupling

Nominal output 7.6/9.6 kW

415mm x 175mm x 791mm (W x D x H)

113 kg

IP65 (Outdoor)

Max. PV Input Voltage 600 V

Open API, modbus control portal



Fullly  
Home Backup



Micro-grid  
Applications



WIFI  
Module Integrated



High  
Efficiency Battery



AFCI &  
Rapid Shutdown

### ② Expandable Battery Module

IP65 (Outdoor)

Max. 6 units (parallel)

8.2 kWh module

1C, 95% DoD, 256 V

81 kg

580 x 230 x 800 mm (W x D x H)

8.2 - 49.2 kWh

8.2 kWh  
Up to 6



SMILE-BAT-8.2PHA



## EV CHARGER



### SMILE-G3-EVCT11

- Weight: 2 kg
- Cable Length: 7 m
- Related Humidity: 15 ~ 90%
- Operating Altitude: < 2000 m
- Operating Temperature: -30 ~ 50 °C
- Dimensions (H x W x D): 340 x 250 x 109.5 mm
- AC Rated Voltage: 400 V, 3P+N+PE
- Rated Current: 16 A
- Frequency: 50/60 Hz
- AC Output Voltage: 400 V
- Max. Current: 16 A
- Rated Power: 11000 W

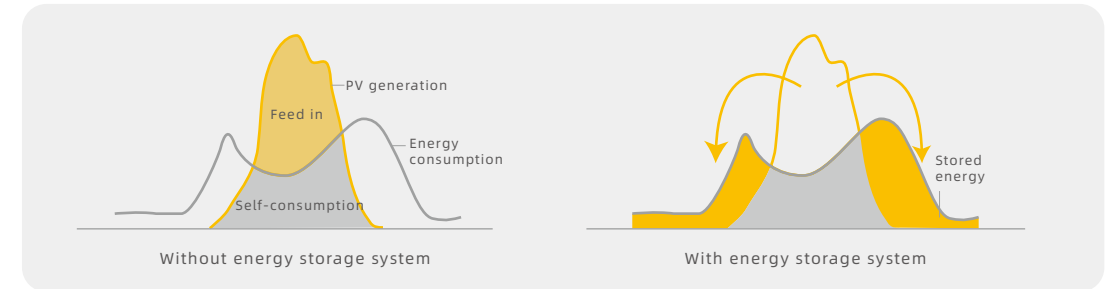
### KEY FEATURES

- 👍 4 Charging Modes
- 👍 PV / Battery Rechargeable
- 👍 Long Charging Cable (7m)
- 👍 Subsidy Available(Depends on local Policy)

- 👍 APP Smart Control
- 👍 Key Card Identifiable

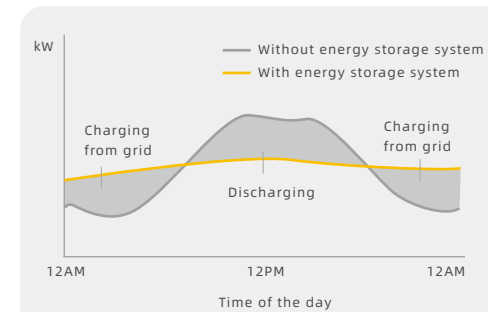
## MAXIMISING YOUR RETURNS

### 1. Self-Consumption Optimization



The energy storage system can help you cut down the electricity bill by storing surplus PV generation and discharging later to meet your demand of electricity.

### 2. Load Shifting



#### User-end: Load Shifting

Save money by avoiding peak electricity rates, storing electricity during off-peak times and discharging stored energy during peak times.

#### Transmission & Distribution: Peak Shaving

Avoid substation and power line upgrades by providing a fast and responsive emission free solution to variable load peaks.

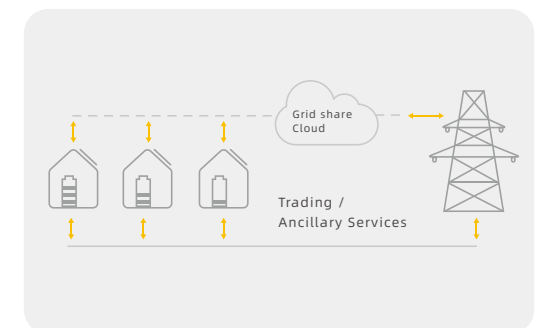
#### Ancillary Services

The combination of several flexible production and consumption units, controlled by a central intelligent system, is the core behind a VPP, which can stabilize the grid by balancing energy supply and demand.

#### Electricity Arbitrage

Optimize trading strategies to maximize returns. VPP can utilize the aggregated power to react to changes in electricity pricing by adapting to the existing supply of power on the grid.

### 3. VPP Revenue



Li-ion Battery

# PORTABLE POWER STATION

MAY THE POWER BE WITH YOU



### EMERGENCY

To survive a blackout



### TRAVEL

Portable power for adventures



### RENEWABLES

Fast solar recharging with MPPT

Exclusive for Japan

## MINI SMILE



MS500



MS1000

Output Power	500 W	1000 W
Nominal Capacity	500 Wh	1000 Wh
Dimensions (L x W x H)	300 x 190 x 227.5 mm	333 x 229 x 263 mm
Weight	6.18 kg	10.55 kg
Output Port	8	9



High-class



Multiple  
charging methods



Emergency power supply  
for outdoor & home outage



BlackBee 1000



\*There are 4 AC plug standards available. (NOT mixable in one device)

Output Power	1000 W	Type-C Output	2
Capacity	1036.8 Wh	USB Output	2
AC Output	3	Wireless Charging Output	2
DC Output	3	Weight	10.2 kg



Big Capacity in Small Box



3- Level Brightness



Equipped with 2 Wireless Charging Pads



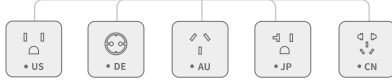
SOS Function



Capable to Charge 12 Devices Simultaneously



BlackBee 2000



\*There are 5 AC plug standards available. (NOT mixable in one device)

Output Power	1600 W	USB-A Output	4
Capacity	2203.2 Wh	USB-C Output	2
AC Output	4	Wireless Charging Output	2
DC Output	2	Weight	23 kg



95% Inverter Efficiency



95% of DoD (Depth of Discharge)



Equipped with 2 Wireless Charging Pads



Fully Charged in 1.5 Hours



Capable to Charge 15 Devices Simultaneously



AC & Solar Panel Charging



# SOLAR PANEL



Portable and Foldable



Higher Efficiency

## SP100

Max. Power: 100 W

Max. Power Voltage: 19.8 V

Max. Power Current: 5 A

Open Circuit Voltage: 23.76 V

Cell Type: Monocrystalline

Folded Dimensions: 520 x 591 x 37 mm

Unfolded Dimensions: 520 x 1192 x 25 mm



## SP200

Max. Power: 200 W

Max. Power Voltage: 19.8 V

Max. Power Current: 10.1 A

Open Circuit Voltage: 23.7 V

Cell Type: Monocrystalline

Folded Dimensions: 518 x 689 x 50 mm

Unfolded Dimensions: 2300 x 689 x 15 mm



## SP300

Max. Power: 300 W

Max. Power Voltage: 33 V

Max. Power Current: 9.69 A

Open Circuit Voltage: 38.94 V

Cell Type: Monocrystalline

Folded Dimensions: 895 x 610 x 40 mm

Unfolded Dimensions: 895 x 2375 x 20 mm







Running in  
**90+** countries  
around the world



" AlphaESS storage system - good product, good concept , good advice , good implementation . I am still satisfied with my photovoltaic system and integrated power storage and can only recommend the system to everyone. "





## Commercial & Industrial

30 kW - 10 MW+



Back-up power



Off-grid



Micro-grid



Fuel saving solution



Self-consumption



Demand charge management

A **WIDE RANGE** of hybrid and battery PCS solutions for all your C&I projects with various requirements

### H30 30 kW hybrid PCS

A small commercial and industrial solution for on/off grid with singular hybrid inverter

- 45 kW Max. PV input
- On/off-grid switching
- Built-in isolation transformer
- Battery DC voltage range: 150-750 V
- Battery Module: M38210-SC, M7790-S



### T30 30 kW battery PCS

Flexible power modular design  
24/7 Monitoring with local interface

- 30 kW nominal output power
- AC-coupled solution
- Transformer integrated
- Battery DC voltage range: 200 - 750V
- Battery Module: M48112-S



### T50 /100 50 / 100 kW hybrid PCS

A double inverter capacity PV input for off-grid  
Flexible power modular design

- 100 / 200kW Max. PV input
- 1 MPPT
- Optional STS integrated transformer module
- Battery DC voltage range: 250-520 V
- Battery Module: M48112-S, M38180-S, M38210-S



### TB50 / 100 / 150 50 / 100 / 150kW battery PCS

Multiple MPPTs for flexibility / Grid-forming with solar inverters  
Operating on and off-grid

- AC-coupled solution
- STS / Transformer integrated
- Battery DC voltage range: 500-850V
- Battery Module: M48112-S, M38180-S, M38210-S



### TB250 / 500 250 / 500 kW battery PCS

Heavy-duty industrial application

- AC-coupled solution
- With Max. 10 x 50 kW PV string inverter
- 250kW transformer integrated
- 500kW no built-in transformer
- Separate STS / cabinet required
- Battery Module: M48112-S, M38180-S, M38210-S



A **FLEXIBLE** battery pack solution to meet all your C&I energy storage capacity needs

#### M7790-S The 1C battery solution

High energy density with high c-rating battery solution

- Energy Capacity: 6.9 kWh • Nominal Voltage: 76.8 V
- Max. charge and discharge: 90 A (1 hour)
- Weight: 64 kg



#### M48112-S The 1C battery solution

Small volume, modular and flexible High C-rating battery solution

- Energy capacity: 5.7 kWh • Depth of discharge: 90%
- Nominal voltage: 51.2 V
- Operating voltage range: 48-56.3 V
- Max. charge and discharge: 112 A (1 hour)
- weight: 65 kg



#### M38180-S The 1C battery solution

High security-high efficiency heat management design

- Energy capacity: 6.9 kWh • Depth of discharge: 90%
- Nominal voltage: 38.4 V
- Operating voltage range: 36-43.2 V
- Max. charge and discharge current: 180 A (1 hour)
- Weight: 66 kg



#### M38210-S The 0.5C battery solution

High energy density solution Cost effective solution

- Energy capacity: 8.1 kWh • Depth of discharge: 90%
- Nominal voltage: 38.4 V
- Operating voltage range: 36-43.2 V
- Max. charging and discharging current: 105 A (2 hours)
- Weight: 62 kg



#### M38210-SC The 0.5C battery solution

High energy density solution Cost effective solution

- Energy capacity: 8.1 kWh • Depth of discharge: 90%
- Nominal voltage: 38.4 V
- Operating voltage range: 36-43.2 V
- Max. charge and discharge: 105 A (1 hour)
- weight: 64 kg



A **LARGE VARIETY** of battery storage racks or container solutions for different scenarios in C&I installations

#### Battery Racks

Max. 161.3 kWh each rack

Perfect for installation in rooms

34.4-51.6 kWh (M48112-S)

64.512-161.28 kWh (M38210-S)

55.30-138.24kWh (M38180-S)

Easy to parallel to MWh



#### 20 ESS Container

Infinitely Scalable

A truly turn-key ESS solution

20feet: Max3354.6 kWh (0.5C)



#### 10/20/40 ESS Container

Infinitely Scalable

A truly turn-key ESS solution

10feet: Max645.12kWh (0.5C)

Max552.96kWh (1C)

20feet: Max1290.24kWh (0.5C)

Max1105.92kWh (1C)

40feet: Max2903.04kWh (0.5C)

Max2488.32kWh (1C)





GLOBAL PROJECTS



**Project:**  
1 MW / 2 MWh

**Application:**  
Energy Self-sufficient Shopping Mall

**Location:**  
Accra, Ghana

**Project:**  
100 kW / 670 kWh  
50 x SMILE5 5 kW

**Application:**  
Energy Self-sufficient Community

**Location:**  
Australia



**Project:**  
500 kW / 1.26 MWh

**Application:**  
UPS + Load Management for Pharmaceutical Factor

**Location:**  
Cambodia



**Project:**  
150 kW / 612 kWh

**Application:**  
PV + Storage + Genset

**Location:**  
Tangerang, Indonesia



**Project:**  
500 kW / 1 MWh

**Application:**  
Energy Independence for Hospital

**Location:**  
Accra, Ghana

**Project:**  
50 kW / 103 kWh

**Application:**  
Solar + Storage + Off Grid

**Location:**  
NSW, Australia







**Project:**  
50 kW/100 kW & 100 kWh-300 kWh

**Application:**  
Solar-battery-diesel Microgrid System

**Location:**  
DeeDoke village, Myanmar

**Project:**  
6 MW / 12 MWh

**Application:**  
PV + Storage

**Location:**  
Hubei, China



**Project:**  
100 kW/102.6 kWh

**Application:**  
PV + Storage+ Genset

**Location:**  
Borno State, Nigeria



**Project:**  
100 kW / 160 kWh

**Application:**  
PV + Storage

**Location:**  
Jiangsu, China



**Project:**  
50 kW/102 kWh

**Application:**  
PV + Storage

**Location:**  
Wolfsberg, Austria

**Project:**  
250 kW / 517.5 kWh

**Application:**  
PV + Storage

**Location:**  
Guangdong, China







**Project:**  
10 MW / 20 MWh

**Application:**  
PV + Storage

**Location:**  
Hubei, China

**Project:**  
2.5 MW / 10 MWh

**Application:**  
Storage + Peak Shaving

**Location:**  
Nanjing, China



**Project:**  
10 MW / 20 MWh

**Application:**  
PV + Storage

**Location:**  
Jiuquan, Gansu, China



**Project:**  
2 MW / 8 MWh

**Application:**  
Storage + UPS + Peak  
Shaving

**Location:**  
Changshu, China



**Project:**  
5 MW / 10 MWh

**Application:**  
Wind Power + Storage

**Location:**  
Xinjiang, China

**Project:**  
500kW / 1.1MWh

**Application:**  
UPS + Load shifting + Self-  
consumption, Renewable  
Demonstration Park

**Location:**  
Yangzhong, China







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