

GOODWE

# Lynx C 60kWh Outdoor Battery System

GoodWe Distributor Launch



30-11-2023

# Lynx C 60kWh Series – Outdoor Battery System

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## Market info

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## Lynx C 60kWh Series – Outdoor Battery System

### Flexible battery system for C&I energy storage

Combined with GoodWe ET 15-30kW hybrid inverters, the Lynx 60 kWh battery system offers an **expandable and easy-to-install** storage solution for C&I applications. The combined solution enables parallel connection of \*multiple ET inverters and up to three Lynx C 60kWh batteries per inverter.

**Energy back-up, peak-shaving and load management** functions are intelligently handled by the inverter. With effective temperature management to enable outdoor operation across different climate zones, the storage solution is a great fit for **small and medium C&I scenarios**, including industrial parks, agricultural and commercial complexes.

\*Feature expected in 2024



## C&I battery with compartment reserved for ET 15-30kW Series inverter



*\*Inverter not included*

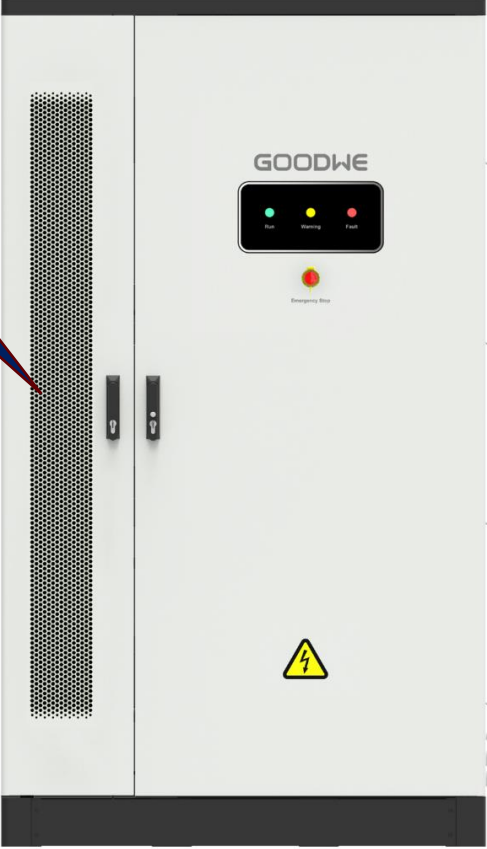


- Compatible solely with GoodWe hybrid inverters of the ET 15-30kW series.
- Convenient compartment for the inverter included. Inverter must be ordered separately.
- Outdoor battery cabinet with effective temperature management.

# Storage solution and battery extension – same model name, separate items numbers!

1

Convenient compartment for ET 15-30kW inverter\*




Outdoor battery cabinet with compartment for GoodWe ET 15-30kW inverter.

Item number:  
**BCT0600-01-TOP**

Hybrid inverter (ET series 15 – 30kW) is ordered separately through the corresponding inverter product code.

*\*Hybrid inverter not included*

2



Battery extension, without the compartment for inverter.

Item number:  
**BCT0600-02-TOP**

*\*Hybrid inverter not included*

# Lynx C 60kWh Series – Product flyer / Datasheet






Flexible battery system for C&I energy storage

- ✓ Lower electricity cost
- ✓ Reduced peak demand
- ✓ Uninterrupted power supply
- ✓ Safe and efficient operation

Combined with GoodWe ET 15-30kW hybrid inverters, the Lynx 60 kWh battery system offers an expandable and easy-to-install storage solution for C&I applications. The combined solution enables parallel connection of multiple ET inverters and up to three Lynx C 60kWh per inverter<sup>\*\*1</sup>. Energy back-up, peak-shaving and load management functions are intelligently handled by the inverter. With effective temperature management to enable outdoor operation across different climate zones, the storage solution is a great fit for small and medium C&I scenarios, including industrial parks, agricultural and commercial complexes.




-  Compatible with GoodWe hybrid inverters ET 15-30kW
-  Paralleling options for extended power and battery capacity<sup>\*\*1</sup>
-  Outdoor battery cabinet with compartment for GoodWe inverter



Lynx C Series

C&I Battery System | 60kWh

EMEA


Lynx C Series



Technical Data	GW60KWH-D-10	GW60KWH-D-10 (Extension)
		
<b>Battery Data</b>		
Usable Energy (kWh) <sup>**1</sup>	60	
Cell Type	LFP (LiFePO4)	
Pack Nominal Energy (kWh)	5.76	
Number of Packs	11	
Nominal Voltage (V)	633.6	
Operating Voltage Range (V)	554.4 ~ 712.8	
Max. Charge / Discharge Current (A) <sup>**2</sup>	96	
Cycle Life <sup>**3</sup>	≥5000	
Depth of Discharge	100%	
<b>Efficiency</b>		
Round-trip Efficiency	95%	
<b>General Data</b>		
Operating Temperature Range (°C)	Charge: 0 ~ +55; Discharge: -25 ~ +55	
Storage Temperature (°C)	0 ~ +35 (<One Year); -20 ~ 0 (≥One Month); +35 ~ +45 (≥One Month)	
Relative Humidity	0-95%	
Max. Operating Altitude (m)	3000	
Heating & Cooling	Air Conditioner	
Communication Interface	CAN	
Weight (kg)	approx.1029.5	approx.972
Dimension (W × H × D mm)	1108 × 2050 × 1111.5	808 × 2050 × 1111.5
Ingress Protection Rating	IP55	
Anti-Corrosion <sup>**4</sup>	C4 (Optional upgrade to C5)	
Fire Suppression	Perfluoro	
<p><sup>**1</sup> Test conditions, 100% DOD, 0.5C charge &amp; discharge at +25 ±2 °C for battery system at beginning life. System Usable Energy may vary with different inverter.</p> <p><sup>**2</sup> Actual Discharge Current and power derating will occur related to Cell Temperature and SOC.</p> <p><sup>**3</sup> Based on Cell test condition of 25 ±2°C, 0.5C I0.5C and 80% EOL.</p> <p><sup>**4</sup> Excluding locks.</p> <p><sup>**5</sup> Parallel connection feature expected in 2024.</p>		

**C&I Energy Storage Solution**


The Lynx C 60kWh battery system is paired with a hybrid inverter from the GoodWe ET 15-30kW series to form a compact storage solution.




A convenient compartment for the hybrid inverter is included. The hybrid inverter of the ET15-30kW series must be purchased separately. Refer to the ET 15-30kW datasheet for detailed inverter specs.

**Extension of the Energy Storage Solution**

The combined energy storage system can be expanded by connecting up to two additional Lynx C 60kWh extension batteries (model GW60KWH-D-10-Extension), resulting in 180kWh battery capacity.



Parallel connection of the hybrid inverter will enable further system expansions.



<sup>\*\*5</sup> Parallel connection feature expected in 2024.

emea.goodwe.com

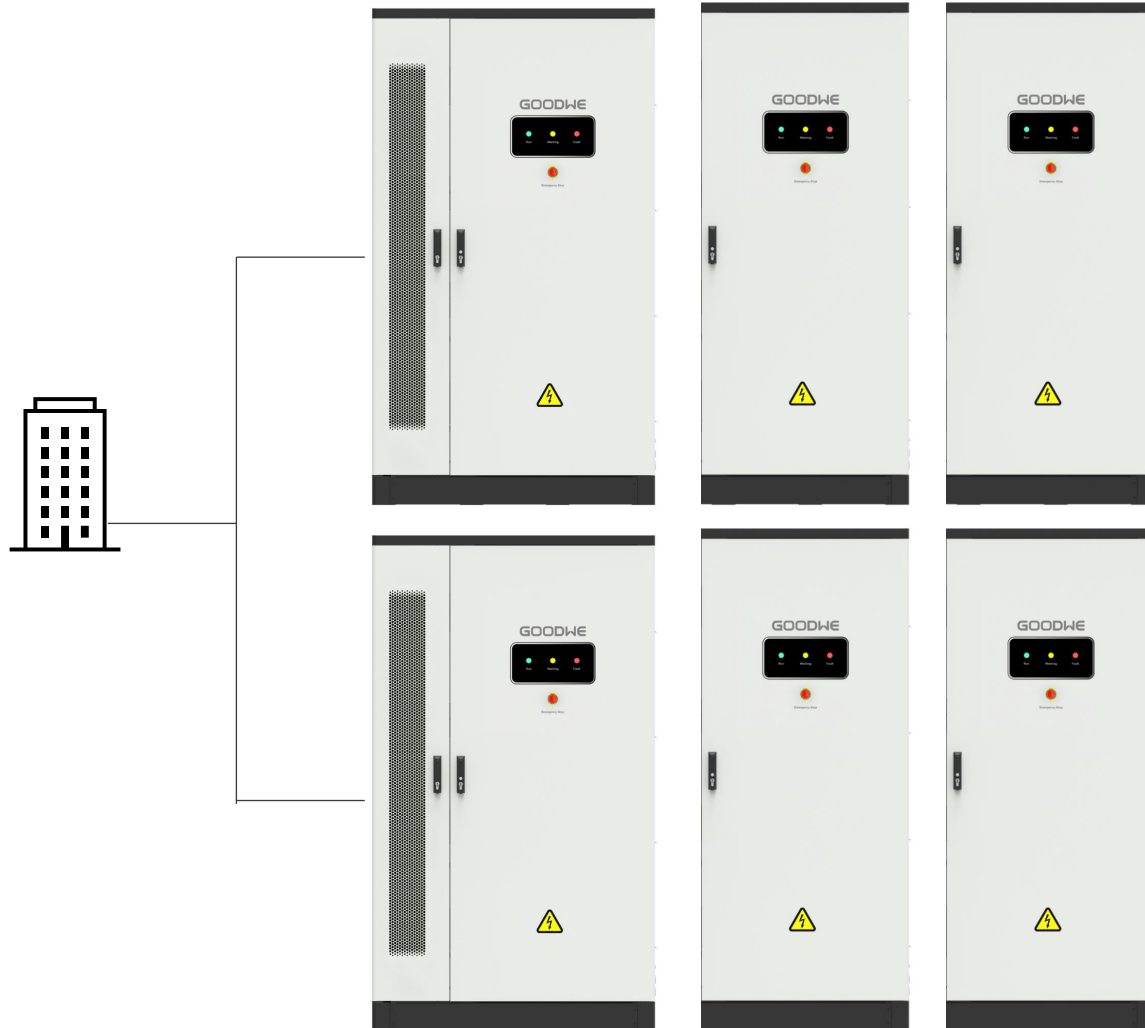
This datasheet provides information about products offered in the EMEA region.

# Highly flexible C&I energy storage solution



- Connection of up to three batteries possible
- Turnkey storage solution 30kW/180kWh

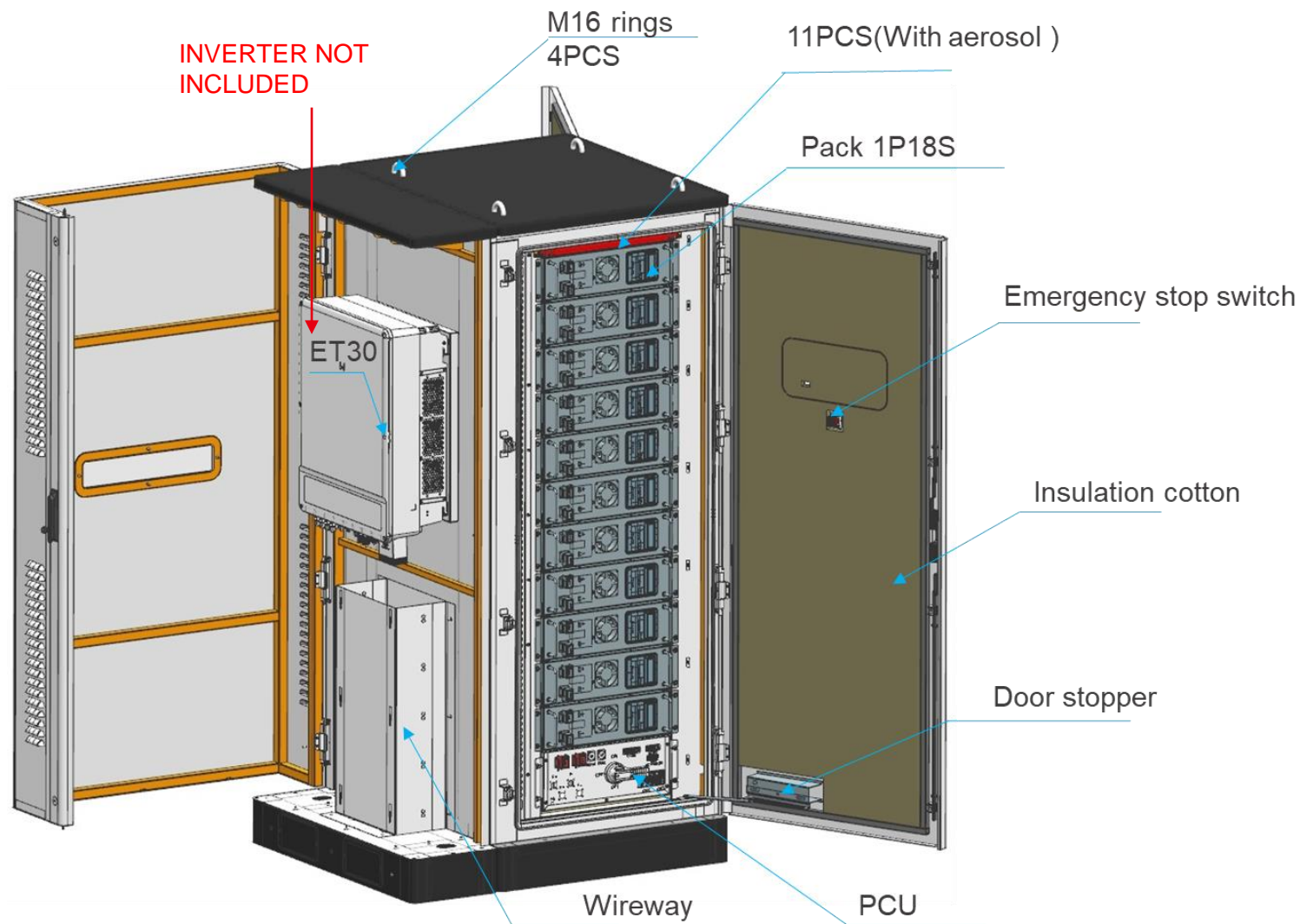
# Highly flexible C&I energy storage solution – Outlook 2024



- New function, expected in 2024: Parallel connection of multiple ET 15-30kW inverters, enabling further system expansions
- Example in illustration: 60kW/360kWh
- Please contact GW for further details about available parallel connection options.



# Product overview



# Compatible Inverters: ET 15-30kW Series



tion may be subject to change without notice during product improving.

Technical Data	GW15K-ET	GW20K-ET	GW25K-ET	GW29.9K-ET
<b>Battery Input Data</b>				
Battery Type			Li-Ion	
Nominal Battery Voltage (V)			500	
Battery voltage range (V)			200 ~ 800	
Start-up Voltage (V)			180	
Number of Battery Input	1	1	2	2
Max. Continuous Charging Current (A)	50	50	50 × 2	50 × 2
Max. Continuous Discharging Current (A)	50	50	50 × 2	50 × 2
Max. Charging Power (W)	15000	20000	25000	30000
Max. Discharging Power (W)	15000	20000	25000	30000
<b>PV String Input Data</b>				
Max. Input Power (W) <sup>1</sup>	22500	30000	37500	45000
Max. Input Voltage (V) <sup>2</sup>			1000	
MPPT Operating Voltage Range (V)			200 ~ 850	
Start-up Voltage (V)			200	
Nominal Input Voltage (V)			620	
Max. Input Current per MPPT (A)			30	
Max. Short Circuit Current per MPPT (A)			38	
Number of MPP Trackers	2	2	3	3
Number of Strings per MPPT	2 / 2	2 / 2	2 / 2 / 2	2 / 2 / 2
<b>AC Output Data (On-grid)</b>				
Nominal Output Power (W)	15000	20000	25000	29900
Nominal Apparent Power Output to Utility Grid (VA)	15000	20000	25000	29900
Max. Apparent Power Output to Utility Grid (VA)	16500	22000	27500	29900
Max. Apparent Power from Utility Grid (VA)	22500	30000	33000	33000
Nominal Output Voltage (V)			380 / 400, 3L / N / PE	
Output Voltage Range (V) <sup>4</sup>			0 ~ 300	
Nominal AC Grid Frequency (Hz)			50 / 60	
AC Grid Frequency Range (Hz)			45 ~ 65	
Max. AC Current Output to Utility Grid (A) <sup>7</sup>	23.9	31.9	39.9	43.3
Max. AC Current From Utility Grid (A)	34.0	45.0	50.0	50.0
Power Factor			~1 (Adjustable from 0.8 leading to 0.8 lagging)	
Max. Total Harmonic Distortion			<3%	
<b>AC Output Data (Back-up)</b>				
Back-up Nominal Apparent Power (VA)	15000	20000	25000	29900
Max. Output Apparent Power without Grid(VA) <sup>5</sup>	15000 (18000@60s, 24000@3s)	20000 (24000@60s, 32000@3s)	25000 (30000@60s)	30000 (36000@60s)
Max. Output Apparent Power with Grid (VA) <sup>3</sup>	15000	20000	25000	29900
Max. Output Current (A)	22.7 (27.3@60s, 36.4@3s)	30.3 (36.4@60s, 48.5@3s)	37.9 (45.5@60s)	45.5 (54.5@60s)
Nominal Output Voltage (V)			380 / 400	

Download product flyer and manuals <https://emea.goodwe.com/et-15-30kW>

## Certification plan Lynx C 60kWh

Available battery certificates

Certification	Timeline
IEC62619 / 63056	2023/08/29
IEC60730-1	2023/07/20
IEC/EN62477-1	2023/07/20
IEC62040-1	2023/08/31
EN IEC61000-6-1/2/3/4	2023/08/15
UN 38.3	2023/09/12

**CEI certification (Italy): End of 1Q2024**

Visit EMEA website for available ET15-30kW series certifications  
(<https://en.goodwe.com/document-download>)

## Warranty terms

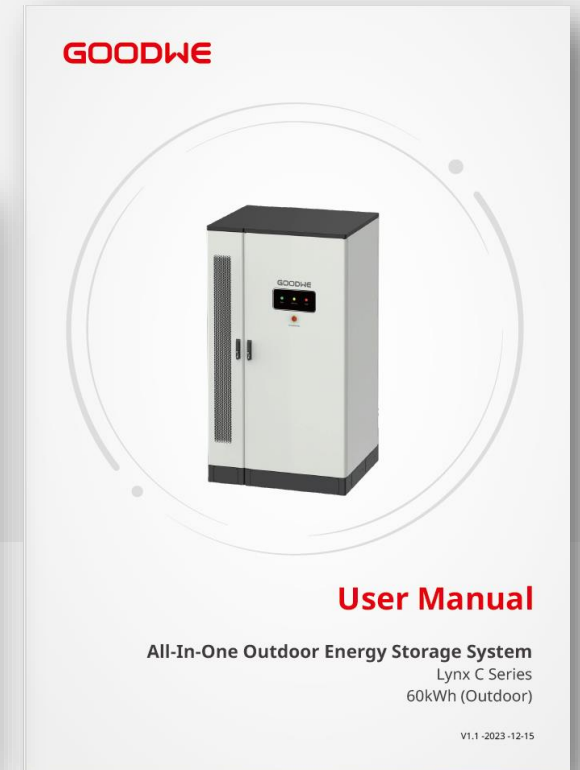
- **10 years of product warranty:** GOODWE warrants that the hardware of electronics and enclosure will be free of defects caused by improper workmanship or defective materials.
- **10 years of performance warranty:** GOODWE warrants that, for ten (10) years, the Energy Storage system retains either sixty percent (60%) of Usable Energy 60 kWh or for a Minimum Through Output Energy 197 MWh which is calculated from the earlier one of installation date or 6 months after Energy Storage system production date, whichever comes first. The Performance Warranty only covers the Battery Cells. All other components in the Battery Module, as well as all other Energy Storage system Components referred to in section 1 of the Warranty Terms and Conditions, are only covered by the Product Warranty and are excluded from the Performance Warranty.
- 2 years limited warranty for air-conditioning unit
- 1 years limited warranty for Fire suppression system and Lock cylinder

[Download the warranty terms Lynx C 60kWh - Google Drive](#)

# Launch documentation

## [Lynx C 60kWh - Google Drive](#)

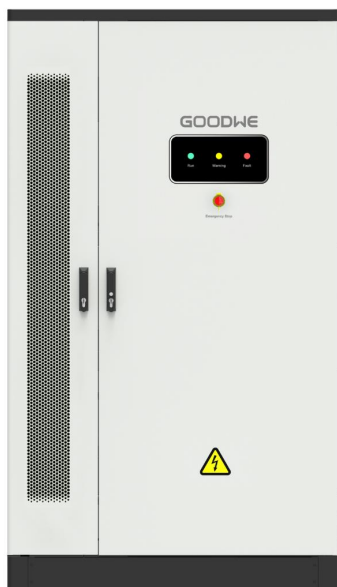
- Product flyer (EN). *Further languages available 1Q24 (EN, DE, ES, IT, FR, NL, PL)*
- User manual (EN, DE)
- Quick installation guide (multi-language)
- Certification
- Warranty terms
- Product images



## Pricing details

Refer to price list EMEA Ver 5.1, issued 011023. **Please note that the product is listed under its working title “EAC Battery 60kWh”. *The required inverter must be purchased separately.***

### Price list details: “EAC battery (w/o inverter)”



Includes:

- 11 battery packs (total 60kWh)
- PCU
- Outdoor cabinet
- Heating & cooling system

**and**

- (Empty) compartment reserved for ET15-30kW inverter

Item number:

**BCT0600-01-T0P**

### Price list details: “EAC battery extension”



Includes:

- 11 battery packs (total 60kWh)
- PCU
- Outdoor cabinet
- Heating & cooling system

Item number:

**BCT0600-02-T0P**

**NB! Same model name, separate items numbers!**

# Logistic data

Part No.	Product Series	Product Model	Net Weight (kg)	Actual gross weight (kg)	Carton Length (mm)	Carton Width (mm)	Carton Height (mm)	Pallet Length (mm)	Pallet Width (mm)	Pallet Height (mm)	Packaging Weight	Layer for each Pallet	Qty for each Layer	Qty for each Pallet (unit)	G.W for each Pallet (kg)	N.W for each Pallet (kg)	Volum e for each Pallet (m <sup>3</sup> )	Qty for 20GP	Qty for 40GP	Full pallet dimensi on (mm)	Pallet Weight (kg)
BCT0600-01-00P	Lynx C 60kWh	GW60KWH-D-10	1030	1120	1150	1202	2240	1150	1202	142	80	1	1	1	1120	1040	3.1	10	20	2240*1150*1202	28.5
BCT0600-02-00P		GW60KWH-D-10 (Extension)	972	990	865	1202	2240	865	1202	142	70	1	1	1	990	920	2.33	11	21	2240*865*1202	25 est

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## Timeline and production outlook

- GoodWe is open for distributor orders
- Installer launch expected in 1Q24
- Marketing communication under preparation country by country



## Promotional activities

<b>Promotional activities GW</b>	
Global launch PR	1Q2024
Webinar	GoodWeek Tuesday March 12th
GoodWe Newsletter	February 2024
GW+ Training	All installer trainings as of February
Campaigns	SEA, Social media, Trade media (key markets 2Q24)

<b>Events 1H2024</b>	
Genera, Spain	06.02 - 08.02
ENEX, Poland	07.02 - 08.02
Key Energy Rimini, Italy	28.02 - 01.03
The Solar Show Africa, South Africa	18.03 - 22.03
VERDE TEC, Greece	29.03 - 31.03
Intersolar, Germany	19.06 – 21.06

## Marketing materials

Marketing materials	
Flyer / datasheet	Available (EN). In 1Q24: DE, ES, IT, FR, NL, PL, CZ
Product images	Available
GW product website	1Q24
Banners / visuals package	1Q24
Product introduction video	1Q24
Product installation video	1Q24

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Thank you

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