

**NEW
PRODUCT**



WECo



Easy.
Flexible.
Compact.

TRI-SMART SERIES

THREEPHASE SYSTEM 6 ~8 ~10 ~12 ~15kW

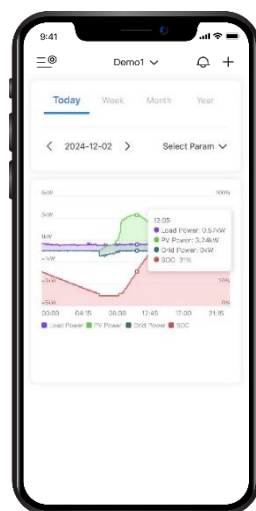
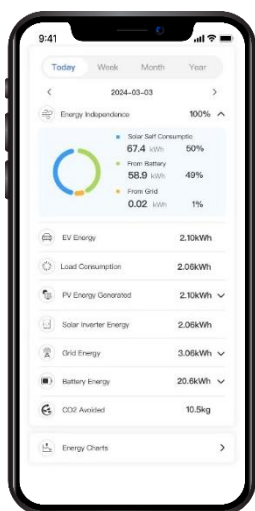
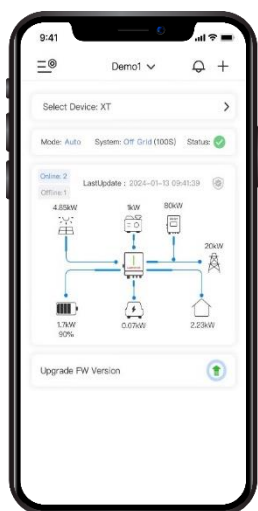
ALL IN ONE

High Voltage Energy Storage

Il WeCo trademark and logo **WECo** are registered by WeCo Srl (Italy)
The LCA cycle is currently underway for the complete system

Energy at your fingertips

WeCo Cloud Platform

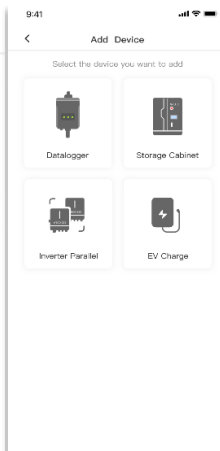
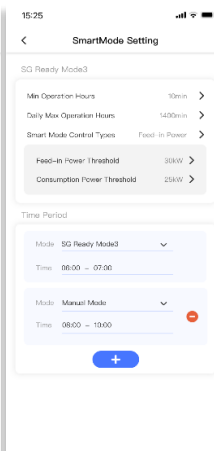
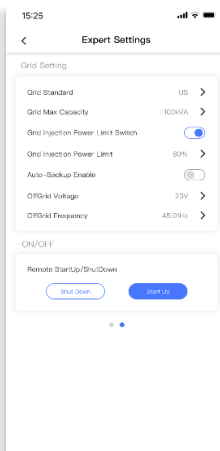
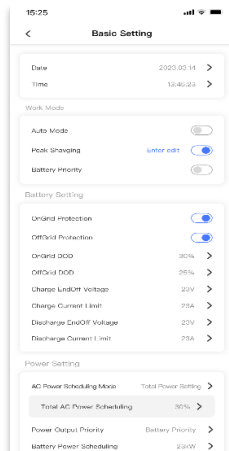


EASY AND INTUITIVE

The wizard allows you to add new devices at any time with just a few clicks. Inverter or EV Charger can be added to the synoptic in one click

ALL FUNCTION AT YOUR FINGERTIPS

With the NOOR App, the installer has access to all inverter settings even remotely. Technical support from the WeCo team accessible directly from the APP





FEATURES



IP66 CERTIFIED FOR OUTDOOR APPLICATIONS

Designed to challenge every season, the SMART series is your ally for energy security. With its IP66 rating, it ensures dust tight and water-resistant, ensuring maximum performance in harsh conditions.



PLUG & PLAY

Easy installation, only 20 minutes in two people, no manual configuration and no cable between inverter and batteries, everything is plug and play. Error-proof and final self-check installation method via NooR App using the Commissioning Wizard Wizard... even remotely!



INTEGRATED HEATING SYSTEM FOR COLD CLIMATES

State-of-the-art heating system keeps battery cells above minimum temperatures, ensuring consistent performance even in persistently cold conditions.



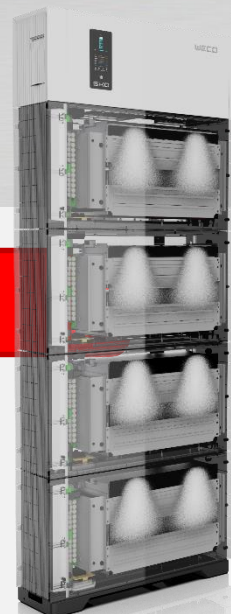
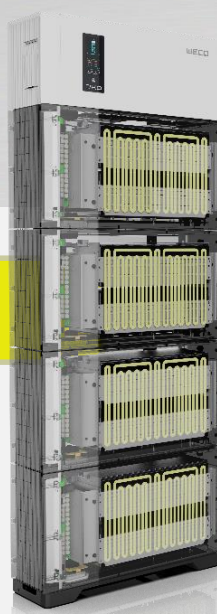
ADVANCED FIRE SUPPRESSION SYSTEM

Safety always comes first!
Each battery module is equipped with a sophisticated fire suppression system, providing unparalleled security and peace of mind.



0°C
TEMP. AMBIENTE

15°C



Without dynamic control heating cells would operate at temperatures that are too low

With Dynamic Heating Control, the cells operate at optimal temperature

Independently activated battery-level fire suppression system

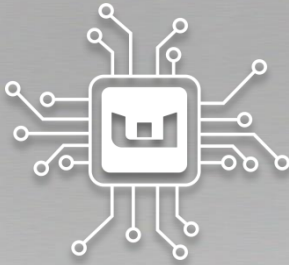


FEATURES



SEISMIC PROOF STRUCTURE

The battery exhibits exceptional resilience to seismic activity, ensuring uninterrupted power supply and system reliability during earthquakes



CLUSTER ALWAYS BALANCED

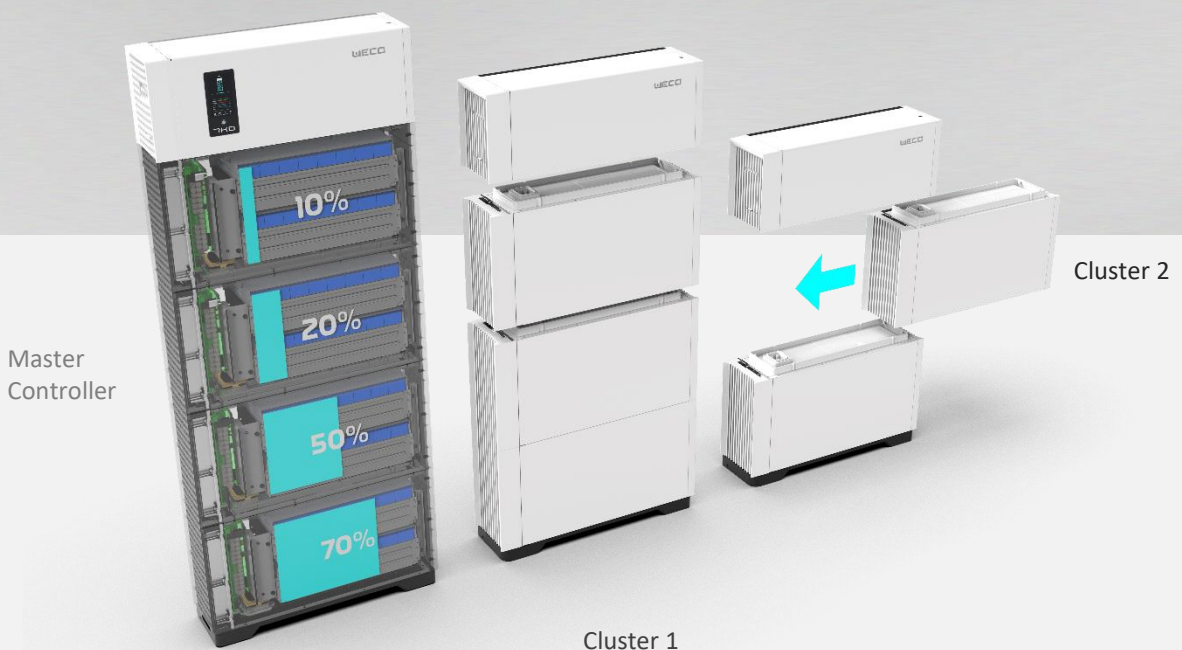


MODULARITY MEETS POWER

Scale up effortlessly! Connect up to 4 modules in parallel to form a cluster and link up to 3 clusters for a grand total of 12 units. The SMART series provides a flexible, scalable, high-capacity energy storage solution that adapts to your ever-changing needs

- Plug and Play expansion with Master controller
- Up to 12 modules per cluster
- Add modules at any time
- Plug & Play configuration

EASY EXPANDABILITY AT ANY TIME





TRI-SMART

THREEPHASE INVERTER(EU)

Up to 200% DC to AC ratio of PV Power Oversizing

Specifications

INVERTER	Model	TRI-SMRT 6K	TRI-SMART 8K	TRI-SMART 10K	TRI-SMART 12K	TRI-SMART 15K	TRI-SMART 20K
	Threephase Inverter	Coming Soon	8kW	10kW	12kW	15kW	Coming Soon
BATTERY	Expandability	Up to 4 battery modules per inverter, Up to 4 inverters in one system in parallel.					
	Chemical Type	LiFePO4 (LFP)					
	Capacity	314Ah					
	System Operating Temperature	-5°C + 45°C**					
	Heating System	Integrato a livello di modulo					
	Fire Suppression	Integrato a livello di modulo					
	Battery Booster Rated Voltage	430V (Booster)					
SOLAR	Operating voltage range	400-450Vdc					
	Single Battery Power	3.6kW (picco 4.1kW)					
	Protocollo CAN	WECO CAN					
	Maximum Power Input PV Inverter	-	16kW	20kW	24kW	30 kW	
	Maximum Voc voltage MPPT channel	850 VDC					
	PV Start In	125 VDC					
	PV Cut Off	100 VDC					
AC INPUT/OUTPUT (ON-GRID)	MPPT Operating Voltage	125 VDC – 800 VDC					
	MPPT Number	2					
	Maximum Current for MPPT	30A					
	Short Circuit Current MPPT	36A					
	PV Power vs AC Output Ratio	2x					
AC OUTPUT (OFF-GRID)	Inverter AC Voltage	400 Vac L1/L2/L3/N/PE					
	Frequency	50 / 60 Hz ± 5 Hz					
	Rated Power Output	Coming Soon	8kW	10kW	12kW	15kW	Coming Soon
	EPS Output Voltage	400 Vac L1/L2/L3/N/PE					
	Frequency	50 / 60 Hz ± 5 Hz					
	EPS Tension Range	370-430 VAC					
	Frequency	50 / 60 Hz ± 5 Hz					
AC BATTERY OUTPUT (BACK-UP)	Power factor	0.8 (leading)~0.8 (lagging)					
	THDi Inverter	< 2% (Rated power)					
	EPS output power if there is only one battery	4000W					
	EPS output power if two batteries are present	-	8kVA				
	EPS output power if three or four batteries are present		8kVA	10kVA	12kVA	15kVA	16kWA
	Overload power 10s with one battery	4.1kW					
	Frequency	50 / 60 Hz ± 5 Hz					
GENERAL PARAMETERS	EPS switching time	Min 5ms Avg 15ms					
	THDi	< 2% (rated power)					
	Efficienza Europea	97%					
	Efficienza Massima	98%					
	Protezione	IP66					
	Rumore	<50 dB @1m					
	Peso Inverter / Dimensioni mm	28kg / 640x420x210					
	Peso Batteria / Dimensioni mm	60 Kg / 630x340x210					
	Installazione	Wall/Floor/ Shelf					
	Altitudine	9,843 ft / 3,000 m					
SECURITY AND COMPLIANCE	Temperatura Operativa massima	-20~50°C/-4~122°F Inverter and batteries will reduce the power reached 40°C					
	Umidità	0 - 95% RH (senza condensa)					
	Portale e APP	WeCo NooR APP					
	Interfaccia	APP and LCD					
	Standards						
	Sicurezza	Heating system, Fire protection, Dynamic control of charge-discharge power, Module insulation					
	Standard di sicurezza e di rete	IEC / EN 62109-1, IEC / EN 62109-2, IEC / EN 62477-1, IEC / EN 62619-1, IEC 60730 Annex H, IEC 60529, VDE 2510-50, UN 38.3					
LIMITED WARRANTY	EMC	IEC 61000-6-3, IEC / EN 61000-6-1					
	Efficienza	IEC 61683					
	Specifiche rete	NTS 2.1 Type (A), UNE 217001, UNE 217002, RD 244, RD 647, CEI 0-21, VDE-AR-N 4105, DIN VDE V 0124-100, G type A, UKCA					
NOTE	Garanzia limitata						
	Garanzia del sistema	10-year performance warranty 7000 cycles 80% DoD					
	Note*	For details, see warranty terms and manuals					
	Note**	Depending on the battery configuration, each battery can provide a maximum power of 3.6 kW					

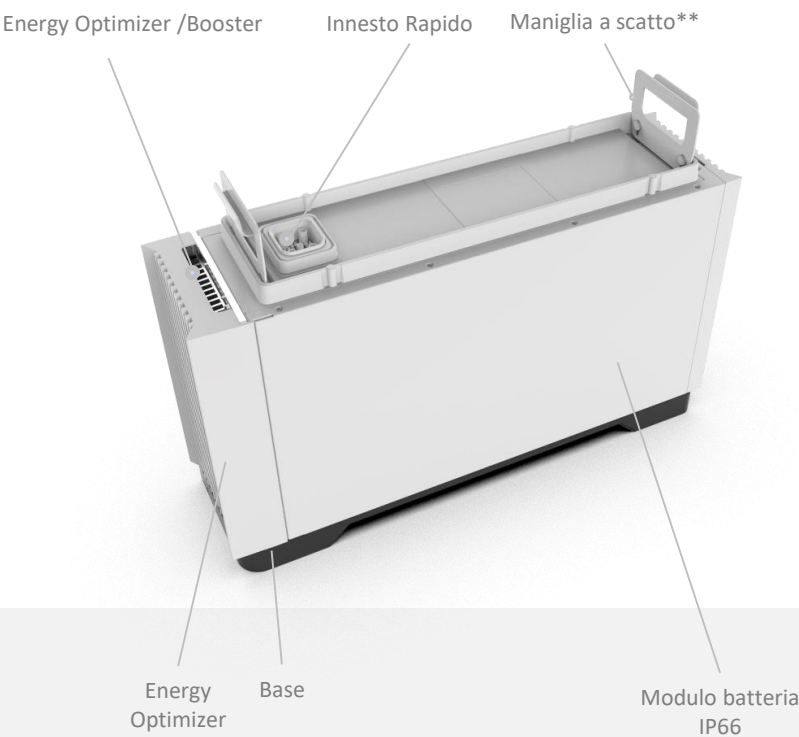
**Le temperature sopra menzionate sono limitate ai range BMS, tali valori potrebbero non essere coperti dalla garanzia di prestazione.
Si consiglia di contattare WeCo per la scheda tecnica più aggiornata, leggere la garanzia e il manuale prima di prendere qualsiasi decisione di acquisto.
Nessuna parte di questo documento può essere copiata o riprodotta senza l'autorizzazione scritta di WeCo.
Tutti i dati sono soggetti a modifiche senza preavviso.

Batteria 7K0 per TRI-SMART

Specifiche

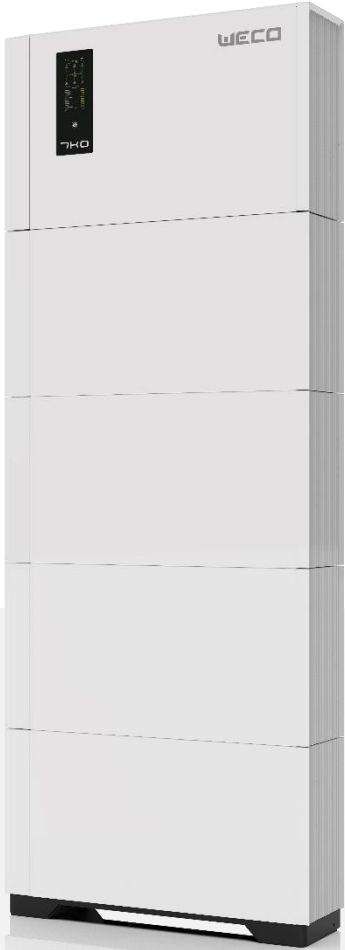
PARAMETRI GENERALI	Chimica della batteria	LiFePO4 7K0
	Capacità nominale	7.0 kWh
	DOD**	Fino al 100%
	Tensione nominale	430Vdc
	Peso	65Kg
	Dimensione	669 x 215 x 340 mm
	Altitudine massima	9,843 ft / 3,000 m
	Temperatura di esercizio BMS	-20°C~50°C / -4~122°F
	Temperatura di stoccaggio	Fino a 6 mesi senza ricarica (vedi manuale per dettagli)
	Umidità di esercizio	0 - 95% RH (senza condensa)
	Certificazioni	*UL 9540A, UN 38.3, IEC 62619, IEC 60730, IEC 62040-1

NOTE	Condizioni di prova: 100% di profondità di scarica (DoD), potenza di carica e scarica di 0,5C a 25 °C, all'inizio della vita utile.
	Il peso del modulo batteria può variare a seconda dei mercati, con una tolleranza del +3%.
	*Certificazione in corso, più disponibile su richiesta ** Vedi condizioni di garanzia



Facile da installare:

La dotazione di impugnature ergonomiche con ogni sistema migliora il comfort dell'utente e facilita l'implementazione, garantendo un processo di configurazione facile ed efficiente.
Una torre da 3 elementi si installa in soli 20 minuti



7K0 PRO

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** in base al mercato di riferimento il design batteria e la maniglia possono variare nel design e nel concetto di incastro.

FEATURES

SAFETY

Integrated Fire Suppression System, Multi-Level Protection, 5-Level BMS Protection

RELIABLE

LFP battery, IP66-rated design, built-in battery heating module.

QUICK INSTALLATION

Stackable modular design, adaptive plug & play self-configuration.

SCALABILITY

Scalable up to 12 modules
Up to 100% DoD Exploitable
Module-level energy optimization, capacity expansion at all times.

EXPANSIONS

DC Charging Module for Electric Vehicles, MPPT Expansion Module to Maximize Solar Production

EASY TO USE

LCD display on both the app and on the web portal interface for easy access.



DC AC ratio up to 200% PV

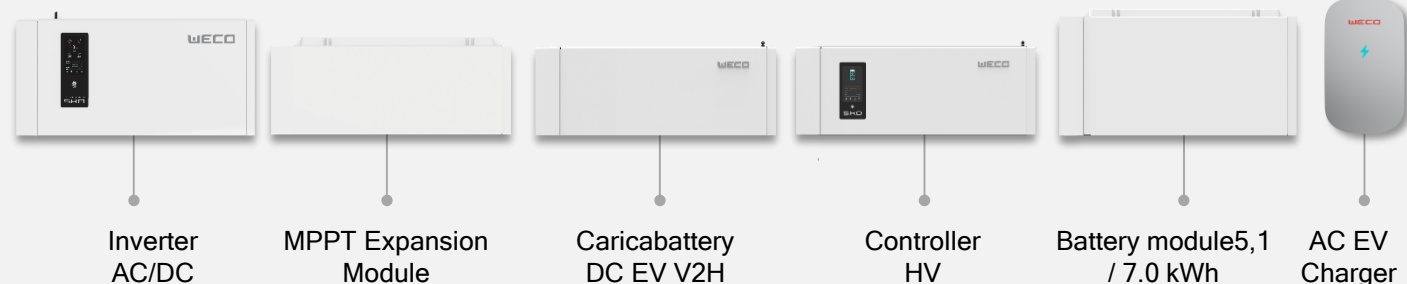
Inverter All-In-One 6 ~ 20 kW

Optional MPPT expansion module 6 kW

Optional V2H module for EV chargers*

Battery module
7.0 kWh / 450 VDC

SMART SYSTEM



*V2H module not yet available in Italy



ENVIRONMENT
SMART-PLATFORM
Total Integration
with WeCo
devices



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