

WECO



5K3XP

Efficient.
Compact.
Versatile.

5K3-XP

DUAL VOLTAGE MODULE

Future-proof your home with cutting-edge technology for long-term energy security

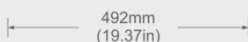
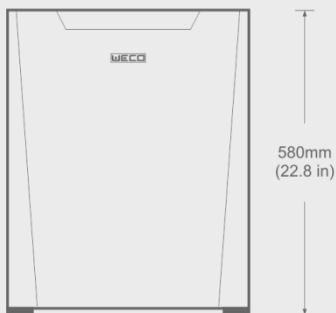


5K3-XP

SINGLE MODULE

Specifications

| | | |
|------------------|---------------------------------------|--|
| BATTERY | Model Name | 5K3-XP-EU |
| | Battery System Maximum Capacity | 5.37 kWh |
| SYSTEM | Single Module Nominal Voltage | 51.2 Vdc |
| | Application | Low Voltage |
| | Modules Expandability | 15 Direct Parallel (Stack max. 8 units) |
| | Ingress Protection | IP20 (Indoor Application Only) |
| | Cluster Net Capacity | 79.5 ~ 556.5 kWh (With LV HUB For Multi-cluster Application) |
| | Voltage Range | 46,5 ~ 58,4 Vdc |
| | Usable Capacity | 105 Ah |
| COMMUNICATION | Communication Interfaces | RS485, CAN, RS232, Built-in Wi-Fi & Bluetooth |
| BASIC PARAMETERS | Dimensions (D × H × W) (mm) | 492 D × 580 H × 170 W |
| | Weight | 54 kg |
| | Max. Charge / Discharge Current | Up to 1C max. |
| | Standard Charge / Discharge Current | 0.5C |
| | Force Charge Command | @ 1% DoD (programmable) |
| | BMS Working Temperature | -20 ~ +65 °C |
| | Max. DoD % | 99% |
| | Recommended Working Temperature Range | 25 °C ± 10 °C |
| | Humidity | 5 % ~ 95 % RH non-condensing |
| | Altitude | < 3000 m |
| | Expected Cycle Life @ STC | > 7000 (25 °C 80% DoD) |
| | Standards | CB / IEC62368-1 / IEC62619 / CE / UN38.3 |
| | Features | Dual Voltage Application (HV application requires HV BOX) LV KIT (Cables and Brackets) to be ordered separately Three Protection Levels, Real-Time Balancing, Adaptive Charge/ Discharge CAN Logic, 3-Steps Adaptive Charging Logic, 2 x programmable DI / DO Remote Monitoring & Control with WeCo App for Android / iOS |



5K3-XP

STACKABLE LV

Specifications

| | | | | | | |
|----------------------|-------------------------------|--|------|------|------|-------|
| BATTERY | Module | 2 | 3 | 4 | 5 | 5+5+5 |
| | Battery System Capacity (kWh) | 10.6 | 15.9 | 21.2 | 26.5 | 79.5 |
| SYSTEM | Depth of Discharge | 95% | | | | |
| | Voltage Range | 46,5 ~ 58,4 Vdc | | | | |
| STORAGE REQUIREMENTS | Storage Temperature | -20 ~ +45 °C @ 1month, 0 ~ 35 °C @ 3 months | | | | |
| | Working Temperature | Charge -5 °C ~ +55 °C, Discharge -20 °C ~ +65 °C | | | | |
| BASIC PARAMETERS | Standard Temperature Range | 25 °C ± 10 °C | | | | |

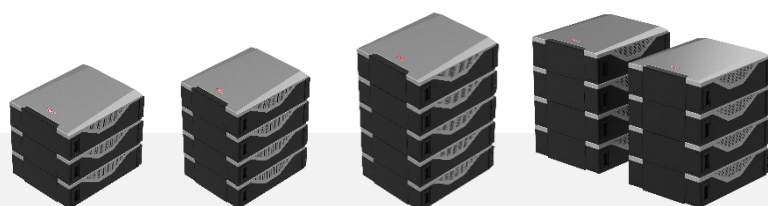
STACKABLE HV

Specifications

Stackable HV (With HV Box)

| | | | | | | |
|----------------------|--|---|---------|---------|---------|---------|
| BATTERY | Battery Module | 2 | 3 | 4 | 5 | 5+5+5 |
| | Battery System Capacity (kWh) | 10.6 | 15.9 | 21.2 | 26.5 | 79.5 |
| SYSTEM | Voltage Range (Vdc) | 95-116 | 140-175 | 190-230 | 235-290 | 752-928 |
| | HV Application Max. Depth of Discharge | 95% | | | | |
| COMMUNICATION | Communication | RS485, CAN 232, Wi-Fi (built-in HVBOX) | | | | |
| BASIC PARAMETERS | IP Rating | IP20 | | | | |
| | BMS Working Temperature | -20 ~ +65 °C | | | | |
| | Recommended Temperature Range | 25 °C ± 10 °C | | | | |
| STORAGE REQUIREMENTS | Storage Temperature | -20 ~ +45 °C @ 1month, 0 ~ 35 °C @ 3 months | | | | |

CLUSTER EXAMPLES

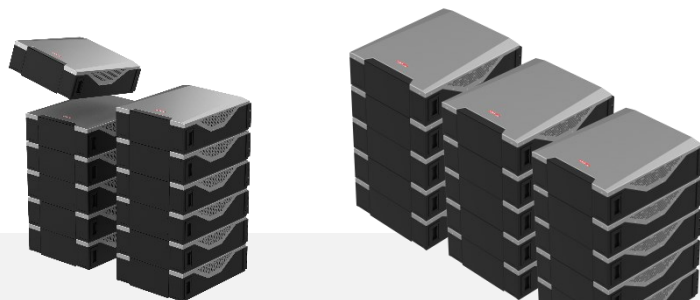


15.9 kWh

21.2 kWh

26.5 kWh

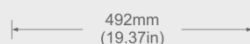
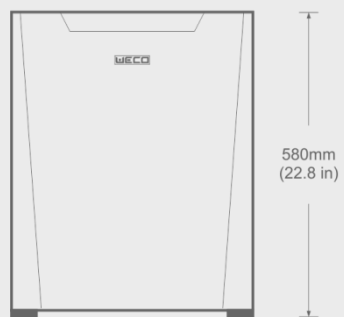
42.4 kWh



63.6 kWh

79.5 kWh

Max. Stacked modules per tower is eight, Max. Series HV connection is 17 modules (934 Vdc).



FEATURES

DUAL VOLTAGE

STACKABLE

WALL MOUNTED

FLOOR MOUNTED

INTEGRATED WIFI & BLUETOOTH

WEB PORTAL ASSISTANCE



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