

WECO

WECO DUAL VOLTAGE 5K3



Lithium Energy Storage System

5K3

SINGLE MODULE LV/HV



| Basic Parameters | 5K3 LV/HV |
|-----------------------------------|---|
| Battery System Capacity | 5,3 kWh |
| Single Module Nominal Voltage (V) | 52 |
| Application | Dual Voltage LV/HV |
| Modules Expandibility | HV-16 in series (up to 9 cluster in parallel with HVBOX) LV- 10 in parallel Without WE-HUB 100 in parallel with WE-HUB |
| Cluster Net Capacity | 748 kWh (HV) / 520 kWh (LV) |
| Voltage Range | 48,5-1000 |
| Net Capacity | 110 |
| Usable Capacity Ah | 100 |
| Dimension (mm) | 576*461*156 |
| Weight (Kg) | 52 |
| Charge / Discharge Current | 110 |
| Step 01 | 160 (60 sec) |
| Peak | 200 (Peak 5s) |
| Depth of Discharge | 100% |
| Communication Port | RS485, CAN, 232, Wi-Fi |
| Single string quantity(pcs) | 16 |
| Discharge Temperature /°c* | -20 ~ 55°C |
| Charge Temperature /°c* | -10 ~ 55°C |
| Shelf Temperature/°c | -10 ~ 50°C |
| Humidity | 5%~95% |
| Altitude (m) | <3000 |
| Design life | 15 ↑ Years (25°c) |
| Expecetd Cycle Life @ STC | >8000 ↑, 25°c |
| Standards | IEC62619/UL1973 CE/UN38.3 |
| Features | Pre-Charge+Fuse LV+ Fuse HV+ Auto Contactor + Dual BMS+ Multi BMS FW management |
| | Aplicability for Low Voltage and High Voltage systems, Four protections levels with HV BOX, real time balancing, Adaptive charge /discharge CAN logic, 3 steps adaptive charging logic, 2xDI/DO programmable, Mobile APP for monitoring and remote control,update, debug, data save |

LOW VOLTAGE STACKABLE



| Battery Module | 2 | 3 | 4 | 5 | 5+5 |
|------------------------------|-------------------------------|-------------|-------------|-------------|----------------|
| Battery System Capacity | 10,4 kWh | 15,6 kWh | 20,8 kWh | 26 kWh | 52 kWh |
| Voltage Range (V) | 48,5 - 58,4 | | | | |
| Dimension (W*D*H mm) | 576*461*322 | 576*461*483 | 576*461*644 | 576*461*805 | 2x 576*461*805 |
| Weight (kg) | 104kg | 156kg | 208kg | 260kg | 2x 260kg |
| Depth of Discharge | 100% | | | | |
| Charge/Discharge (Recommend) | 160 | 240 | 320 | 400 | 800 |
| Current (A) (Continuous) | 210 | 300 | 390 | 480 | 960 |
| (Peak 15s) | 300 | 380 | 470 | 560 | 1000 |
| (Discharge Peak 5s) | 400 | 600 | 800 | 1000 | 2000 |
| Comunication | RS485, CAN, 232, Wifi | | | | |
| Protection Class | IP23 / IP56 | | | | |
| Working Temperature (°C) | -20°C +60°C * | | | | |
| Storage Temperature (°C) | -10°C +40°C | | | | |
| Humidity | 5% - 95% | | | | |
| Altitude (m) | < 3000 | | | | |
| Design life | 15 ↑ Years (25°C) | | | | |
| Expecetd Cycle Life @ STC | >8000 ↑, 25°C | | | | |
| Standards | IEC62619/UL1973 / CE / UN38.3 | | | | |
| * SEE THERM AND CONDITION | | | | | |

LOW VOLTAGE WALL MOUNTED



HIGH VOLTAGE STACKABLE



| Battery Module | 4 | 5 | 6 | 7 | 8 | 8+8 |
|----------------------------|-------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Battery System Capacity | 20,8 kWh | 26 kWh | 31,2 kWh | 36,4 kWh | 41,6 kWh | 83,2 kWh |
| Recommended Voltage | min 200 max 232 | min 250 max 290 | min 300 max 348 | min 350 max 406 | min 400 max 464 | min 800 max 928 |
| Dimension (W*D*H mm) | 576*461*644 | 576*461*805 | 576*461*966 | 576*461*1127 | 576*461*1288 | 2x 576*461*1288 |
| Weight (kg) | 208 kg | 260 kg | 312 kg | 364 kg | 416 kg | 2x 416 kg |
| Depth of Discharge | 100% | | | | | |
| Charge/Discharge | 100A/100A | | | | | |
| Communication | RS485, CAN, 232, Wifi | | | | | |
| Protection Class | IP23 / IP56 | | | | | |
| Working Temperature (°C) | -20°C +60°C * | | | | | |
| Storage Temperature (°C) | -10°C +40°C | | | | | |
| Humidity | 5% ~ 95% | | | | | |
| Altitude (m) | < 3000 | | | | | |
| Design life | 15 ↑ Years (25°C) | | | | | |
| Expected Cycle Life @ STC | >8000 ↑, 25°C | | | | | |
| Standards | IEC62619/UL1973 / CE / UN38.3 | | | | | |
| * SEE TERMS AND CONDITIONS | | | | | | |

CERTIFICATIONS





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