

Rack-mounted Residential Battery

Unity HV

- Modular design, expand from 3 to 12 modules, capacity 15kWh-60kWh
- 44kg single module, separable for easy disassembly and installation
- LFP battery cells, stable performance, 6000 - cycle long life
- Automatically manages batteries, protects against over/under-charge&temp
- Adapts to mainstream high-voltage inverters in the market



| Model | UX-15.3-HPB | UX-20.4-HPB | UX-25.6-HPB | UX-30.7-HPB | UX-35.8-HPB | UX-40.9-HPB | UX-46-HPB | UX-51.2-HPB | UX-56.3-HPB | UX-61.4-HPB | |
|----------------------------------|---|-----------------|-------------|-----------------|-----------------|-----------------|-----------------|--------------|-----------------|-----------------|--|
| Battery Type | LFP | | | | | | | | | | |
| Battery Pack Number | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| Nominal Energy (kWh) | 15.36 | 20.48 | 25.6 | 30.72 | 35.84 | 40.96 | 46.08 | 51.2 | 56.32 | 61.44 | |
| Discharge Voltage (V) | 129.6 ~172.8 | 172.8 ~230.4 | 216 ~288 | 259.2 ~345.6 | 302.4 ~403.2 | 345.6 ~460.8 | 388.8 ~518.4 | 432 ~576 | 475.2 ~633.6 | 475.2 ~633.6 | |
| Rated Voltage (V) | 153.6 | 204.8 | 256 | 307.2 | 358.4 | 409.6 | 460.8 | 512 | 563.2 | 614.4 | |
| Rated Working Current (A) | 50 | | | | | | | | | | |
| Max Charging Current (A) | 100 | | | | | | | | | | |
| Max Discharging Current (A) | 100 | | | | | | | | | | |
| Certificates | EMC, IEC 62619, UN38.3 | | | | | | | | | | |
| General Data | | | | | | | | | | | |
| Display | LED | | | | | | | | | | |
| Communication Interface | RS485/CAN | | | | | | | | | | |
| Dimensions Interface (W*D*H)(mm) | 550*600*1050 | | | 550*60*1450 | | | | 550*600*2050 | | | |
| Weight (Kg) | 165 | 165 | 253 | 297 | 350 | 394 | 438 | 485 | 529 | 573 | |
| Working Temperature Range (C) | Charging: 0~50; Discharging: -20~55 | | | | | | | | | | |
| Operating Humidity Range | 5%RH~95%RH, No condensation | | | | | | | | | | |
| Altitude (m) | 3000 | | | | | | | | | | |
| Cooling Method | Natural Cooling | | | | | | | | | | |
| IP Rating | IP20 | | | | | | | | | | |
| Installation Method | Rack mounted (optional installation rack) | | | | | | | | | | |
| Scalability | 3~12 | | | | | | | | | | |
| Battery Pack | | | | | | | | | | | |
| Model | UX-51-HPB | | | | | | | | | | |
| Battery Pack Specifications | 51.2V/5.12kWh/100Ah | | | | | | | | | | |
| Life Cycles | 6000@90%DOD, 25C/0.5C | | | | | | | | | | |
| Dimensions (W*D*H)(mm) | 483*550*130 | | | | | | | | | | |
| Weight (Kg) | 44 | | | | | | | | | | |

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