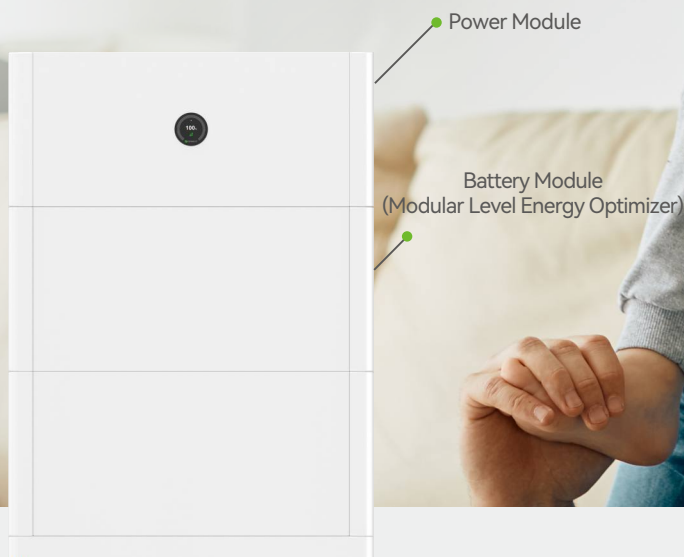


# APX HV Battery



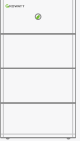



(APX 5.0-30.0P-S1, APX 5.0-30.0P-S2)

- Flexible capacity options, 5kWh to 30kWh
- Module level energy optimization
- Support to mix new and old battery modules in one system
- Easy installation with modular and stacked design
- Long lifespan, 10 years warranty



- Different SOC and SOH of the battery modules can be mixed in one system.



| System Model                                 | APX 5.0P  | APX 10.0P   | APX 15.0P   | APX 20.0P  | APX 25.0P   | APX 30.0P   |
|--|---|---|---|--|---|---|
| System demo                                  |  |  |  |  |  |  |
| Power module                                 | APX 98020-P1/APX 98034-P2   |   |   |  |   |   |
| Number of power modules                      | 1   |   |   |  |   |   |
| Battery module                               | APX 5.0P-B1   |   |   |  |   |   |
| Battery module energy                        | 5kWh  |   |   |  |   |   |
| Number of battery modules                    | 1   | 2   | 3   | 4  | 5   | 6   |
| Energy capacity                              | 5kWh  | 10kWh   | 15kWh   | 20kWh  | 25kWh   | 30kWh   |
| Max. output power*1                          | 2.5kW   | 5kW   | 7.5kW   | 7.5kW  | 7.5kW   | 7.5kW   |
| Peak output power*1                          | 4kW,60s   | 8kW,60s   | 10kW,60s  | 10kW,60s   | 10kW,60s  | 10kW,60s  |
| Max. output power*2                          | 2.5kW   | 5kW   | 7.5kW   | 10kW   | 12.5kW  | 15kW  |
| Peak output power*2                          | 4kW,60s   | 8kW,60s   | 12kW,60s  | 16kW,60s   | 20kW,60s  | 20kW,60s  |
| Dimension (W/D/H)*3                          | 690/185/650mm   | 690/185/945mm   | 690/185/1240mm  | 690/185/1535mm   | 690*2/185/1240mm  | 690*2/185/1240mm  |
| Weight*3                                     | 68kg  | 118kg   | 168kg   | 218kg  | 271kg   | 321kg   |
| Nominal voltage (three phase system)         | 650V  |   |   |  |   |   |
| Operating voltage range (three phase system) | 600V~980V   |   |   |  |   |   |
| Battery type                                 | Cobalt Free Lithium Iron Phosphate (LFP)  |   |   |  |   |   |
| Ingress protection                           | IP66  |   |   |  |   |   |
| Installation                                 | Wall-mounted or Floor installation*4  |   |   |  |   |   |
| Operating ambient temperature                | -10°C~50°C  |   |   |  |   |   |
| Relative humidity                            | 5%~95%  |   |   |  |   |   |
| Cooling                                      | Natural   |   |   |  |   |   |
| Altitude                                     | ≤4000m  |   |   |  |   |   |
| DOD  | 90%   |   |   |  |   |   |
| Warranty                                     | 10 years  |   |   |  |   |   |
| <b>Power module</b>                          | <b>APX 98020-P1</b>   |   |   | <b>APX 98034-P2</b>  |   |   |
| Dimension (W/D/H)                            | 690/185/295mm   |   |   |  |   |   |
| Weight                                       | 16kg  |   |   |  |   |   |
| Communication port                           | CAN/RS485   |   |   |  |   |   |
| Maximum current                              | 13A   |   |   | 26A  |   |   |
| Peak current                                 | 20A,60s   |   |   | 34A,60s  |   |   |
| Max. output power                            | 7.5kW   |   |   | 15kW   |   |   |
| Compatible inverters                         | MOD 3000-10000TL3-XH(BP)  |   |   | MOD 3000-10000TL3-XH(BP) / MID 11-30KTL3-XH  |   |   |
| Monitoring parameters                        | SOC, System voltage, current, cell voltage, cell temperature, PCBA temperature    |   |   |  |   |   |
| <b>Battery module</b>                        | <b>APX 5.0P-B1</b>  |   |   |  |   |   |
| Nominal energy                               | 5kWh  |   |   |  |   |   |
| Nominal voltage                              | 385V  |   |   |  |   |   |
| Operating voltage range                      | 330-450V  |   |   |  |   |   |
| Dimensions (W/D/H)                           | 690/185/295mm   |   |   |  |   |   |
| Weight                                       | 50kg  |   |   |  |   |   |

IEC62040, IEC62477, IEC62619, CE, RCM, VDE2510-50, UKCA, UN38.3

\* 1.2 When using different power modules, the max. charge/discharge power of the battery system is different, APX 98020-P1 is 7.5 kW, APX 98034-P2 is 15kW, also the max. charge/discharge power of the whole system is limited by the max. charge/discharge power of the inverter and the battery capacity.

\* 3 Include power module(APX 98020-P1/APX 98034-P2) and Battery Base.

\* 4 Floor installation requires extra base (W/D/H=690/185/60mm). Wall-mounted installation requires extra wall bracket.

\* Nominal charge/discharge current and power derating will occur related to Temperature and SOC.

\* APX series battery has an EU model and a General model, the storage inverters sold in European countries only work with EU model APX battery.

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