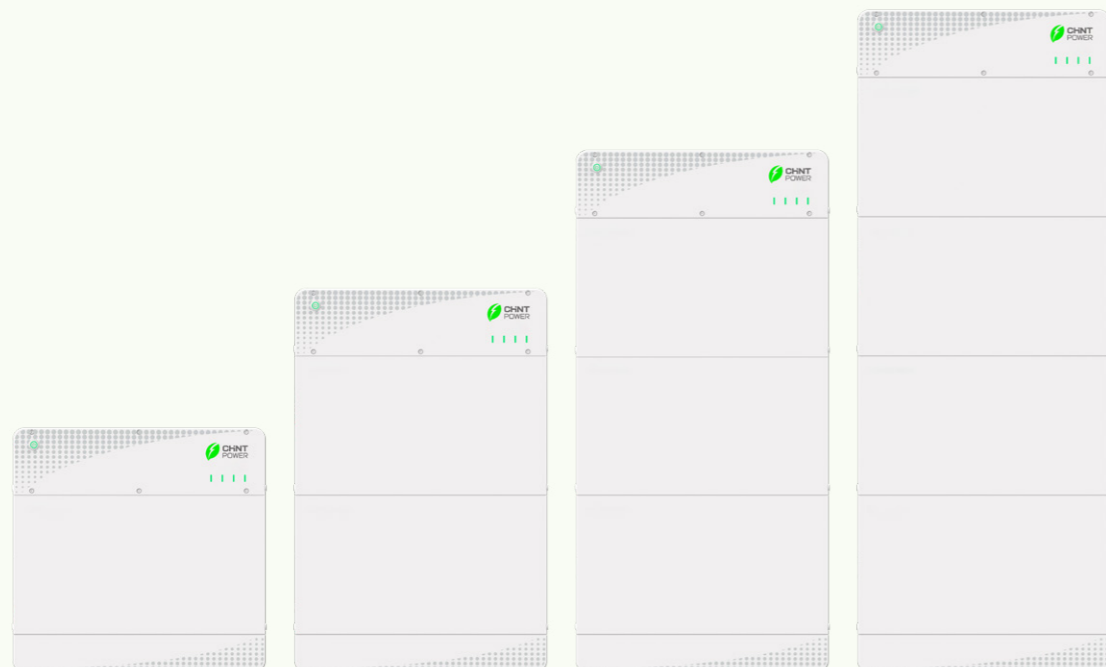


CPS ESSR-05/10/15/20KH1

High Voltage Residential Battery



Flexible

- Standard packs and control modules reduce inventory and design difficulties
- Working below -10oC with self heating

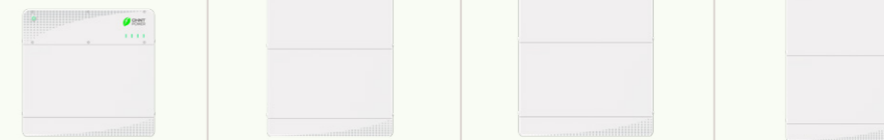
Strong

- C-rate up to 0.8
- 4kW for each pack. Get 10kW power from only 15kWh

Easy

- Reduce wiring work during pack install
- Automatically assign of BMS address

Technical parameters

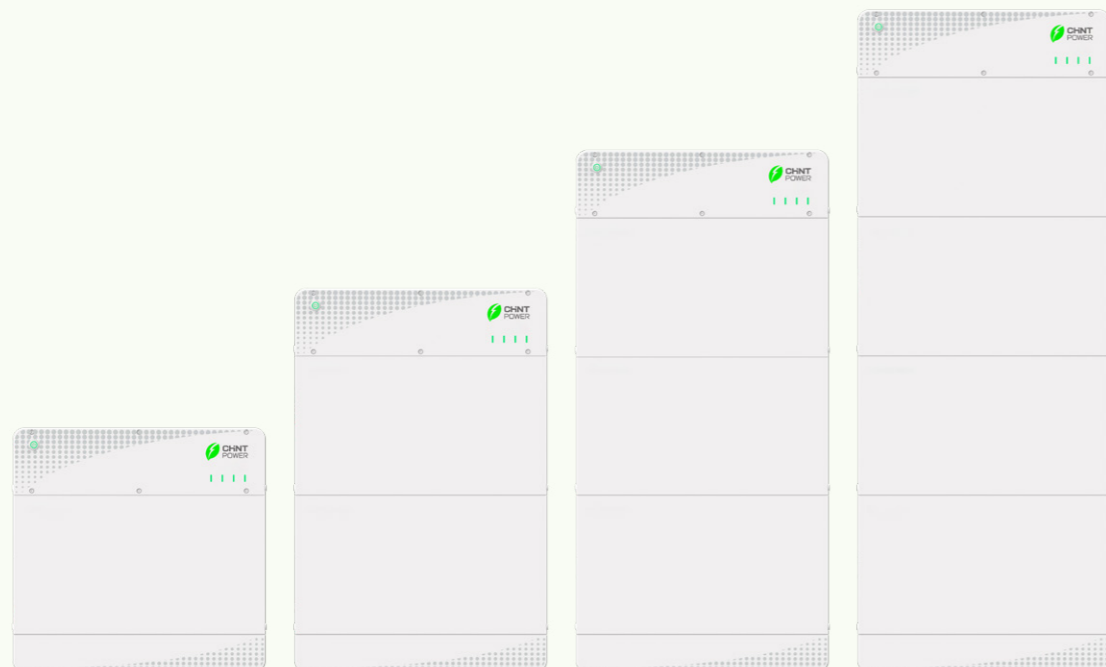


| Model | CPS ESSR-05KH1 | CPS ESSR-10KH1 | CPS ESSR-15KH1 | CPS ESSR-20KH1 |
|---------------------------------|---|--------------------------|--------------------------|--------------------------|
| System Parameters | | | | |
| Power Control Module | CPS ECD500 | CPS ECD500 | CPS ECD500 | CPS ECD500 |
| Battery Extension Module | CPS EBM032050LF-H | CPS EBM032050LF-H | CPS EBM032050LF-H | CPS EBM032050LF-H |
| Rated Voltage | 102.4V | 204.8V | 307.2V | 409.6V |
| Operating Voltage Range | 89.6~115.2V | 179.2~230.4V | 268.8~345.6V | 358.4~460.8V |
| Max Charge/Discharge Current | 40A | 40A | 40A | 40A |
| Max Power | 4.0kW | 8.1kW | 12.2kW | 16.3kW |
| Rated Charge/Discharge Energy | 5.12kWh | 10.24kWh | 15.36kWh | 20.48kWh |
| Useable Battery Energy | 5.12kWh | 10.24kWh | 15.36kWh | 20.48kWh |
| DOD | 100% | 100% | 100% | 100% |
| Weight | 75kg | 131kg | 188kg | 244kg |
| Dimension (W*D*H) | 770*178*680mm | ≈ 770*178*1040mm | ≈ 770*178*1400mm | ≈ 770*178*1760mm |
| Product Parallel Extension | Up to 61.44kWh | Up to 61.44kWh | Up to 61.44kWh | Up to 61.44kWh |
| Operating Temperature | Charge&Discharge: -10~50°C | | | |
| Working Humidity | 5~95% | 5~95% | 5~95% | 5~95% |
| Protection | IP65 | IP65 | IP65 | IP65 |
| EOL | 70% | 70% | 70% | 70% |
| Communication | CAN | CAN | CAN | CAN |
| Certificates | IEC 62619, IEC 63056, IEC 62040-1, IEC 62477-1, CE EMC, VDE 2510-50, UKCA, UN38.3 | | | |
| Installation | Floor Mount & Wall Mount | Floor Mount & Wall Mount | Floor Mount & Wall Mount | Floor Mount & Wall Mount |
| Cooling | Natural | Natural | Natural | Natural |
| Altitude | ≤ 3000m | ≤ 3000m | ≤ 3000m | ≤ 3000m |
| Battery Extension Module | | | | |
| Module | CPS EBM032050LF-H (Lithium-ion) | | | |
| Rated Charge/Discharge Energy | 5.12kWh | | | |
| Dimension (W*D*H) | 770*178*410mm | | | |
| Weight | 56kg | | | |
| EOL | 70% | | | |
| Power Control Module | | | | |
| Model | CPS ECD500 | | | |
| Operating Voltage Range | 80~500V | | | |
| Max Charge/Discharge Current | 40A | | | |
| Dimension (W*D*H) | 770*178*220mm | | | |
| Weight | 13kg | | | |

* The certificates are for reference only. Please consult the local sales staff for detailed certification.

CPS ESSR-05/10/15/20KL1

Low Voltage Residential Battery



Flexible

- Standard packs and control modules reduce inventory and design difficulties

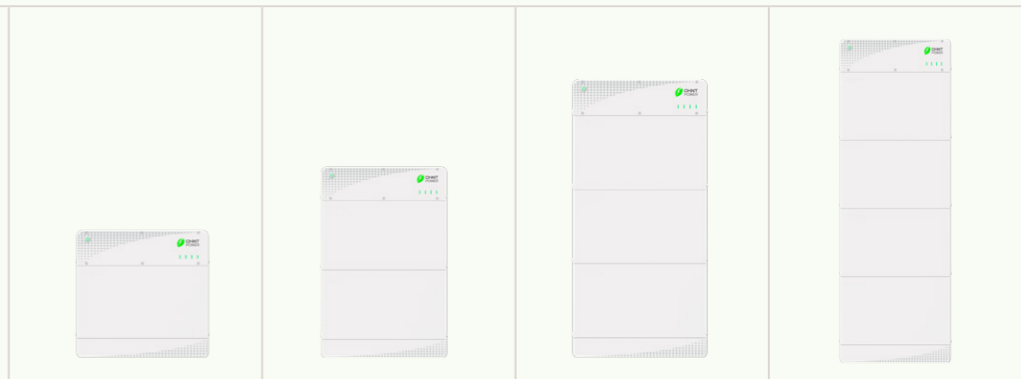
Safe

- Adapt to different installation environments with IP65 protection
- VDE 2510-50, IEC 63056

Easy

- Reduce wiring work during pack install
- Automatically assign of BMS address

Technical parameters



| Model | CPS ESSR-05KL1 | CPS ESSR-10KL1 | CPS ESSR-15KL1 | CPS ESSR-20KL1 |
|---------------------------------|--|--------------------------|--------------------------|--------------------------|
| System Parameters | | | | |
| Power Control Module | CPS ECD51 | CPS ECD51 | CPS ECD51 | CPS ECD51 |
| Battery Extension Module | CPS EBM016100LF-L | CPS EBM016100LF-L | CPS EBM016100LF-L | CPS EBM016100LF-L |
| Rated Voltage | 51.2V | 51.2V | 51.2V | 51.2V |
| Operating Voltage Range | 44.8~57.6V | 44.8~57.6V | 44.8~57.6V | 44.8~57.6V |
| Max Charge/Discharge Current | 50A | 100A | 120A | 120A |
| Max Power | 2.5kW | 5.0kW | 6.0kW | 6.0kW |
| Rated Charge/Discharge Energy | 5.12kWh | 10.24kWh | 15.36kWh | 20.48kWh |
| Useable Battery Energy | 5.12kWh | 10.24kWh | 15.36kWh | 20.48kWh |
| DOD | 100% | 100% | 100% | 100% |
| Weight | 60kg | 104kg | 148kg | 192kg |
| Dimension (W*D*H) | 670*178*650mm | 670*178*1020mm | 670*178*1390mm | 670*178*1760mm |
| Product Parallel Extension | Up to 61.44kWh | Up to 61.44kWh | Up to 61.44kWh | Up to 61.44kWh |
| Operating Temperature | Charge: 0~50°C Discharge: -10~50°C | | | |
| Working Humidity | 5~95% | 5~95% | 5~95% | 5~95% |
| Protection | IP65 | IP65 | IP65 | IP65 |
| EOL | 70% | 70% | 70% | 70% |
| Communication | CAN | CAN | CAN | CAN |
| Certificates | IEC 62619, IEC 63056, IEC62040-1, VDE 2510-50, CE EMC, UKCA, UN 38.3 | | | |
| Installation | Floor Mount & Wall Mount | Floor Mount & Wall Mount | Floor Mount & Wall Mount | Floor Mount & Wall Mount |
| Cooling | Natural | Natural | Natural | Natural |
| Altitude | ≤ 3000m | ≤ 3000m | ≤ 3000m | ≤ 3000m |
| Battery Extension Module | | | | |
| Module | CPS EBM016100LF-L (Lithium-ion) | | | |
| Rated Charge/Discharge Energy | 5.12kWh | | | |
| Dimension (W*D*H) | 670*178*370mm | | | |
| Weight | 44kg | | | |
| EOL | 70% | | | |
| Power Control Module | | | | |
| Model | CPS ECD51 | | | |
| Operating Voltage Range | 44.8~57.6V | | | |
| Max Charge/Discharge Current | 120A | | | |
| Dimension (W*D*H) | 670*178*280mm | | | |
| Weight | 8kg | | | |

* The certificates are for reference only. Please consult the local sales staff for detailed certification.