

CPS ESSR-05/10/15/20KL1

Low Voltage Residential Battery



Hybrid System

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			
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.