

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(V)	51.2	51.2	51.2	51.2
Operating Voltage Range(V)	44.8~57.6	44.8~57.6	44.8~57.6	44.8~57.6
Max Charge/Discharge Current(A)	50	100	120	120
Max Power(kW)	2.5	5.0	6.0	6.0
Rated Charge/Discharge Energy(kWh)	5.12	10.24	15.36	20.48
Useable Battery Energy(kWh)	5.12	10.24	15.36	20.48
DOD	100%	100%	100%	100%
Weight(kg)	60	104	148	192
Dimension (W*D*H,mm)	670*178*650	670*178*1020	670*178*1390	670*178*1760
Product Parallel Extension(kWh)	Up to 61.44kWh	Up to 61.44kWh	Up to 61.44kWh	Up to 61.44kWh
Operating Temperature(°C)	Charge: 0~50 Discharge: -10~50			
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	≤3000	≤3000	≤3000	≤3000

Battery Extension Module	
Module	CPS EBM016100LF-L
Rated Charge/Discharge Energy(kWh)	5.12
Dimension (W*D*H,mm)	670*178*370
Weight(kg)	44
EOL(%)	70

Power Control Module	
Model	CPS ECD51
Operating Voltage Range(V)	44.8~57.6
Max Charge/Discharge Current(A)	120
Dimension (W*D*H,mm)	670*178*280
Weight(kg)	8

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