



CPS ESSR-05/10/15/20KH1

High Voltage Residential Battery



Flexible

- Standard packs and control modules reduce inventory and design difficulties
- Working below -10°C 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

CPS ESSR-05/10/15/20KH1



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 (V)	102.4	204.8	307.2	409.6
Operating Voltage Range (V)	89.6-115.2V	179.2-230.4V	268.8-345.6V	358.4-460.8V
Max Charge/Discharge Current(A)	40	40	40	40
Max Power(kW)	4.0	8.1	12.2	16.3
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)	75	131	188	244
Dimension (W*D*H,mm)	770*178*680	~770*178*1040	~770*178*1400	~770*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&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	≤3000	≤3000	≤3000	≤3000
Battery Extension Module				
Module	CPS EBM032050LF-H			
Rated Charge/Discharge Energy (kWh)	5,12			
Dimension (W*D*H,mm)	770*178*410			
Weight (kg)	56			
EOL (%)	70			
Power Control Module				
Model	CPS ECD500			
Operating Voltage Range	80-500V			
Max. Charge/Discharge Current	40			
Dimension (W*D*H,mm)	770*178*220			
Weight(kg)	13			

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