



CPS ESSR-05/10/15/20KL1

Low Voltage Residential Battery



Flexible

- Standard packs and control modules reduce inventory and design difficulties.



Safe

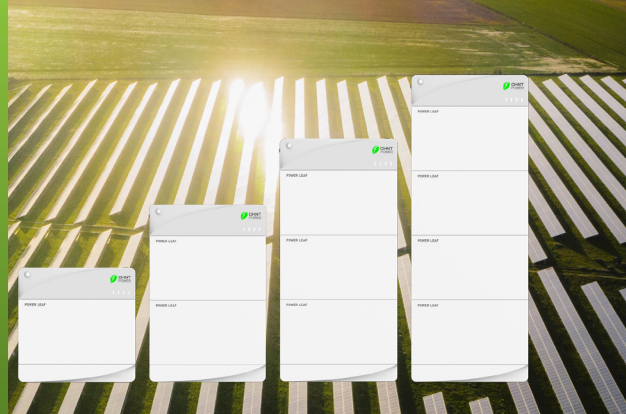
- Adapt to different installation environments with IP65 protection
- VDE 2510-50, IEC 63056



Easy

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

CPS ESSR-05/10/15/20KL1



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	50	100	120	120
Max. Power	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)	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°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	≤3000	≤3000	≤3000	≤3000
Battery Extension Module				
Module	CPS EBM016100LF-L			
Rated Charge/Discharge Energy (kWh)	5,12			
Dimension (W*D*H)	670*178*370			
Weight (kg)	44kg			
EOL (%)	70%			
Power Control Module				
Model	CPS ECD51			
Operating Voltage Range	44,8-57,6			
Max. Charge/Discharge Current	120			
Dimension (W*D*H)	670*178*280			
Weight	8			

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