

# CPS ESSR-05/10/15/20KL1

## Low Voltage Residential Battery



### Flexible

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



### Safe

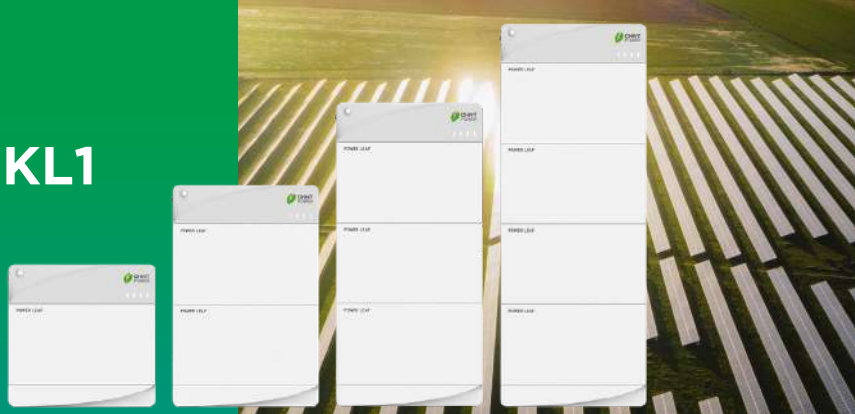
- Adapt to different installation environments with IP65 protection
- VDE 2510-50, IEC 63056



### 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
<b>System Parameters</b>				
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°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
<b>Battery Extension Module</b>				
Module	CPS EBM016100LF-L			
Rated Charge Discharge Energy (kWh)	5.12			
Dimension (W*D*H,mm)	670*178*370			
Weight (kg)	44kg			
EOL (%)	70%			
<b>Power Control Module</b>				
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.