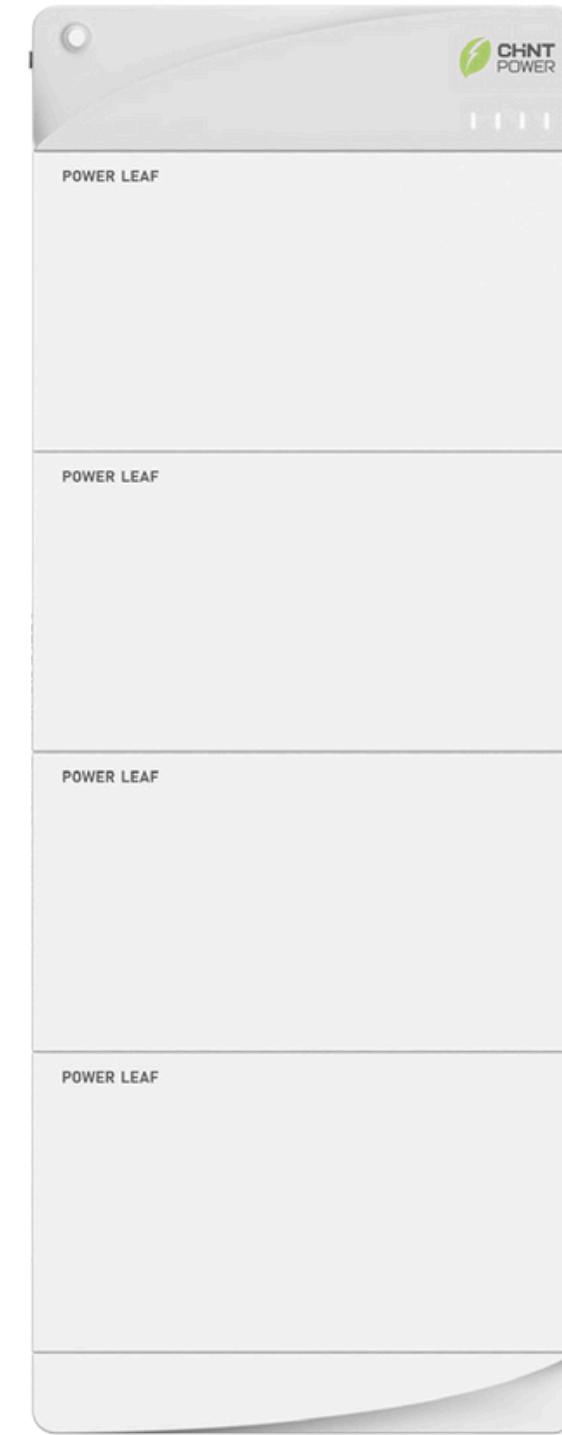
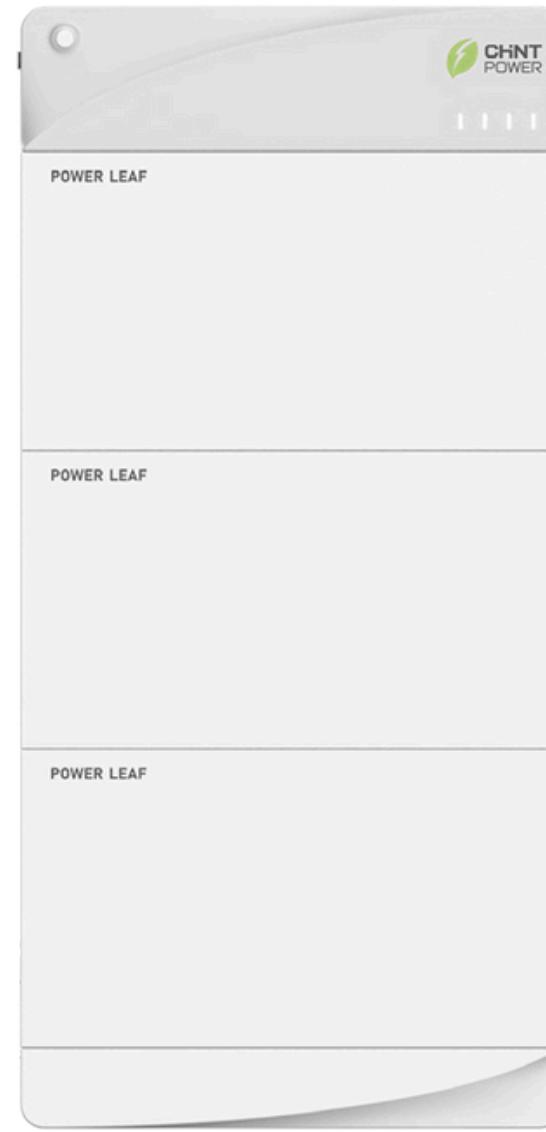
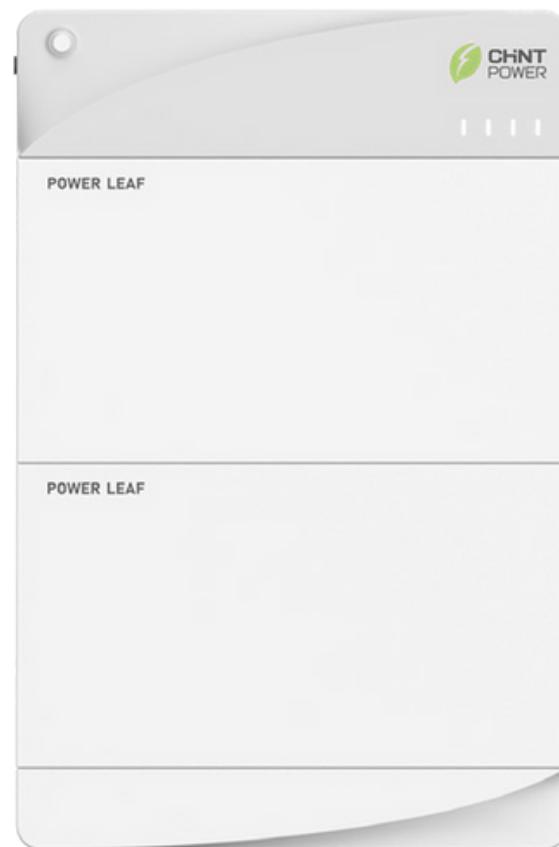


HV ESS

SCALABLE TO 60 kWh WITH SINGLE INVERTER



Flexible

- Standard packs and control modules reduce inventory and design difficulties
- Operates below -10°C with self-heating functionality

Strong

- C-rate up to 0.8
- Delivers 10 kW from just 15 kWh (4 kW per pack)

Easy

- Simplified wiring during pack installation
- Automatic BMS address assignment

Safe

- Simplified wiring during pack installation
- Built-in multi-level protection (cell, pack, and system level)
- Certified for international safety standards (UL, CE, IEC)

Technical parameters

Model	CPS ESSR-05KH1	CPS ESSR-10KH1	CPS ESSR-15KH1	CPS ESSR-20KH1			
Power Control Module	CPS ECD500	CPS ECD500	CPS ECD500	CPS ECD500			
Battery Extension Module	CPS EBM032050LF-H	CPS EBM06100LF-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	179.2~230.4	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)	4.6	9.21	13.82	18.43			
DOD	90%	90%	90%	90%			
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					
Operating Temperature(°C)		Charge & Discharge: -10~50					
Working Humidity		5~95%					
Protection		IP65					
EOL		70%					
Communication		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						
Cooling	Natural						
Altitude(m)	≤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(V)	80~500V						
Max Charge/Discharge Current(A)	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.