

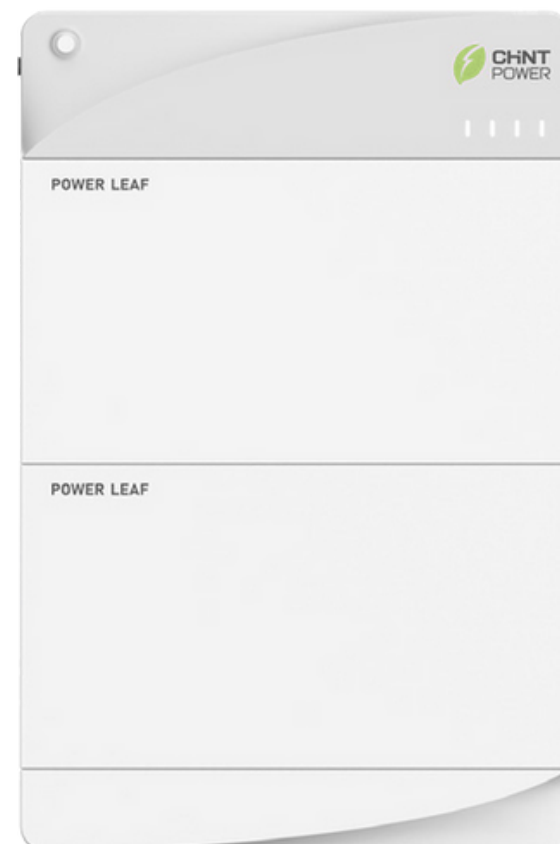
HV ESS

SCALABLE TO 60 KWH WITH SINGLE INVERTER



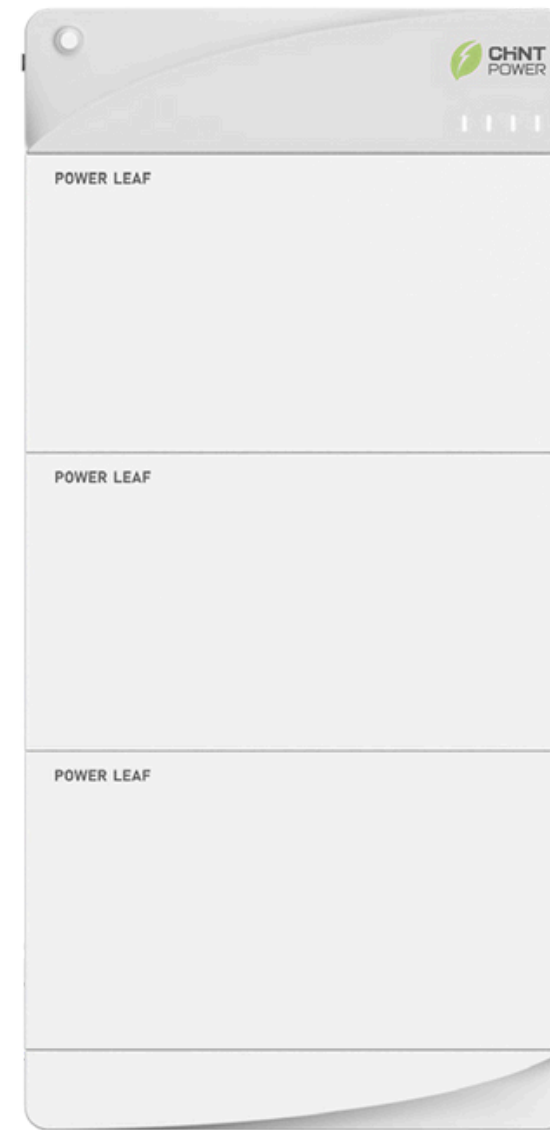
Flexible

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



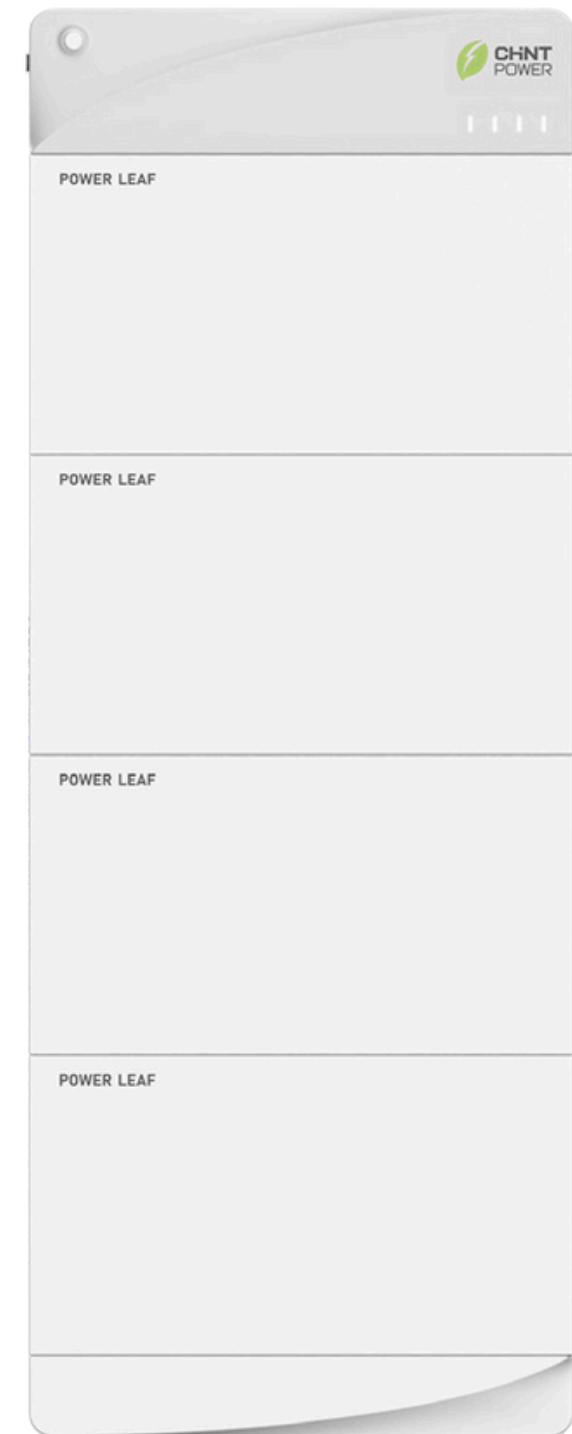
Strong

- 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)
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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(oC)	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			

Thecertificatesareforreferenceonly.Pleaseconsultthelocalsales staff for detailed certification.