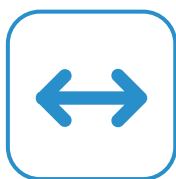


Commercial ESS

RACK HV SERIES (15-50kWh)

The Higon RACK HV system is tailored for indoor use, specifically catering to high voltage setups. Each module within this system offers a larger capacity, making it suitable for Medium Commercial and Industrial (C&I) applications. It aims to enhance solar self-consumption, deliver backup power, and facilitate peak shaving, among other functionalities.



Wider Voltage Range
179-876V



Stronger Scalability
Capacity up to 76.8kWh per cluster



Higher Voltage
High system efficiency



Higher Level Safety
LFP & Smart BMS



Longer Life Time
Long cycle life and superior performance



Wider Compatibility
Cover all needs in commercial fields



Specification RACK HV SERIES

Model	HV51100
Battery Type	LiFePO4
Capacity(kWh)	5.12
Nominal Voltage(V)	51.2
Nominal Capacity(AH)	100
Voltage Range(V)	43.2~57.6
Depth of Discharge	80%
Dimension(W* D* H,mm)	440*500*179
Design Life	15+ years (25 C)
Cycle Life	> 6000 (25 C)
Communication	CAN
Recommend Discharging Current	IP20
Weight(kg)	45
Operation Temperature	0~50℃
Product Certificate	UN38.3



Model	RACK HV-40.96	RACK HV-46.08	RACK HV-51.2
Rack Type	LiFePO4	LiFePO4	LiFePO4
Battery Module Type	HV51100	HV51100	HV51100
Battery Module Quantity (Unit)	8	9	10
Nominal Energy (KWH)	40.96	46.08	51.20
Nominal Capacity (AH)	100	100	100
Nominal Voltage (V)	409.6	460.8	512.0
Operating Vol Range (V)	358.4~460.8	403.2~518.4	448~576
Nominal Power Output (KW)	24.6	27.7	30.8
Max. Power Output (KW)	40.96	46.08	51.2
Recommend Charging Current (A)	50	50	50
Recommend Discharging Current (A)	50	50	50
Dimension(W* D* H,mm)	600*600*1900	600*600*2115	600*600*2340
Net Weight (kg)	580	635	690
Module Quantity and Configuration	8 Units in series	9 Units in series	10 Units in series