

HV SERIES

30 KW / 64.3 KWH , 40 KW / 80.38 KWH

50 KW / 96.46 KWH HV STACKED ESS

YJC-HES-HV-S-3064 | 4080 | 5096



MODULAR 16 KWH STACK ARCHITECTURE
Capacity built from field-replaceable 16 kWh modules (flexible 4-6 module stacks) for precise sizing and fast onsite service – e.g. a 96 kWh cabinet is assembled from six 16 kWh modules.



HIGH-VOLTAGE DESIGN FOR LOWER LOSSES
High-voltage topology cuts current and I^2R losses, enabling slimmer cabling, higher round-trip efficiency and a more compact power train.



MATCHED HYBRID INVERTER POWER (30/40/50 KW)
Purpose-matched 3-phase hybrid inverters deliver smooth grid-tie and backup operation, fast charge/discharge switching and support for multi-unit parallel operation.



PRE-WIRED, STACKABLE CABINET – QUICK DEPLOY
Pre-engineered, stackable racks and pre-wiring reduce installation and commissioning time – lower labour and site cost for C&I deployments.



INTELLIGENT EMS + BMS ORCHESTRATION
Integrated EMS/BMS enables peak-shaving, valley-filling, capacity management and dynamic coordination across stacked units for optimized self-consumption and bill reduction.



Model	YJC-HES-HV-S-3064		YJC-HES-HV-S-4080		YJC-HES-HV-S-5096
Battery Type	LiFePO ₄				
System Configuration	Stacked by 16 kWh battery modules (4 / 5 / 6 units)				
Nominal Energy	64.3 kWh		80.3 kWh		96.4 kWh
Nominal Capacity	Nominal Capacity 314 Ah				
Nominal Voltage	204.8 V		256 V		307.2 V
Recommended Charge/Discharge Current	157 A / 157 A				
Maximum Continuous Charge/Discharge Current	157 A / 157 A				
Peak Charge/Discharge Current	157 A / 157 A				
Cycle Life	≥ 8000 cycles				
Calendar Life	10 years (designed service life, typical conditions)				
Ingress Protection Rating	IP20				
Charge Temperature Range	0 ~ 50 °C				
Discharge Temperature Range	-20 ~ 60 °C				
Installation Type	Indoor stacked cabinet system				