



## ballastIQ\_stack Series

High Voltage Rack Mount LiFePO4 Battery Pack

- Modular Power System Platform with a stable discharge platform, excellent safety performance and long cycle life.
- The BMS battery management system supports overcharge, over-discharge, over-voltage and other functional protections.
- Modular design supports expansion and maintenance.
- Equipped with ballastIQ\_integrate which can remotely view and manage system parameters.
- Optional with EMS (Customized microgrid energy management system, including energy storage, photovoltaic, grid, load, generator, video monitoring, etc.).



MODEL		stack-HV20	stack-HV25	stack-HV30	stack-HV35	stack-HV40	stack-HV46
Cell chemistry		LiFePO4					
Module energy(kWh)		5.12					
Module nominal voltage(V)		51.2					
Module capacity(Ah)		100					
Cell model/Configuration		3.2V100AH/64S1P	3.2V100AH/80S1P	3.2V100AH/96S1P	3.2V100AH/112S1P	3.2V100AH/128S1P	3.2V100AH/144S1P
System nominal voltage(V)		204.8	256	307.2	358.4	409.6	460.8
System operating voltage(V)		172.8~224	215~280	259.2~336	302.4~392	345.6~448	388.8~504
System energy(kWh)		20.48	25.6	30.72	35.84	40.96	46.08
Charge/ Discharge Current(A)	Recommend	50					
	Max	100					
Working temperature		Charge: 0°C~55°C; Discharge: -20°C~55°C					
Communication port		CAN2.0/RS485/WiFi					
Humidity		5~85%RH Humidity					
Altitude		≤2000m					
IP rating of enclosure		IP20					
Dimension(W×D×H,mm)		538×492×791	538×492×941	538×492×1091	538×492×1241	538×492×1391	538×492×1541
Weight approximate(kg)		195	240	285	330	375	420
Installation location		Rack Mounting					
Storage temperature(°C)		0°C~35°C					
Recommend depth of discharge		90%					
Cycle life		25±2°C, 0.5C/0.5C, EOL70%≥6000					