

Stacked High-voltage Battery Pack



- **High-voltage output**
102V voltage output, single pack can be used
- **Easy installation**
Stacked installation, no external wiring required
- **Overcharge and over-discharge protection**
Internally uses contactor switch, reliable switch; over-discharge system automatically cuts off power to reduce self-loss
- **Strong scalability**
Max number of strings up to 5, can be flexibly adjusted
- **Comprehensive safety protection functions**
Real-time monitoring of battery cell voltage, current and temperature, three-level fault warning and Multiple protections of software and hardware
- **Accurate power calculation**
high-precision current aampling devices and SOC algorithm; static and dynamic calibrations and ampere-hour integration method

Product Parameters		KY-102V40AH
Battery Cell		
Battery cell	Li-ion Lithium Iron Phosphate	
Capacity (Ah)	20	
Battery cell grouping method	2P32S	
Battery PACK parameters		
Rated voltage (V)	102.4	
Rated capacity (A)	40	
Rated energy (Wh)	4096	
Discharge depth (%)	90	
Working voltage range (V)	89.6~116.8	
Max current (A)	30	
Dimensions (W*H*D) (mm)	450*243*375	
Weight(kg)	30	
Battery BCU parameters		
Start voltage (V)	80	
System max voltage (V)	600	
Max current (A)	30	
Dimensions (W*H*D) (mm)	450*116*375	
Weight(kg)	9	
Basic parameters		
Communication method	CAN	
Protection level	IP65	
Operating temperature (°C)	Charging0~55 Discharging-20~60	
Storage temperature (°C)	0~45	
Humidity (%)	0~95	
Altitude (m)	< 2000	