

# Stackable cylindrical high-voltage battery pack



- **High Voltage Output**  
102V Voltage output, applicable for single pack.
- **Easy Install**  
Installed in one stack, no extra wiring.
- **Over-Discharge/Charge Protection**  
Contactor adopted internally, APO for over-discharging, self-loss reduced.
- **Good Scalability**  
Max. 5 pcs for one string, could be adjusted freely.
- **Full Safety Protection Function**  
Real time monitoring for cell/voltage/current/temperature, 3-level fault warning and multiple protection for soft/hard-ware.
- **Accurate Capacity Calculation**  
High precision components adopted for current sampling device, meanwhile SOC algorithm combines Ampere hour integration, static calibration and dynamic calibration.

Model	KY-102V40AH	KY-204V40AH	KY-306V40AH	KY-408V40AH	KY-510V40AH
Cell type	Li-ion (LFP)				
Cell capacity ( Ah )	40	40	40	40	40
Grouping mode	2P32S	2P64S	2P96S	2P128S	2P160S
Rated voltage ( Vdc )	102.4	204.8	307.2	409.6	512
Maximum voltage ( Vdc )	113.6	227.2	340.8	454.4	568
Charge the maximum voltage ( Vdc )	113.6	227.2	340.8	454.4	568
Discharge cut-off voltage ( Vdc )	80	160	240	320	400
Nominal Charge/Discharge Current ( A )	20	20	20	20	20
Max Charge/Discharge Current ( A )	30	30	30	30	30
Rated capacity ( Wh )	4096	8192	12288	16384	20480
Rated DC Power ( W )	2048	4096	6144	8192	10240
Size ( mm )	425*340*449	425*340*691	425*340*933	425*340*1175	425*340*1417
Communication method	CAN	CAN	CAN	CAN	CAN
Operating temperature ( °C )	0~55	0~55	0~55	0~55	0~55
Storage temperature ( °C )	-20~45	-20~45	-20~45	-20~45	0~45
Humidity	< 95%	< 95%	< 95%	< 95%	< 95%
Depth of Discharge	80%	80%	80%	80%	80%
Weight ( kg )	42	72	102	132	162
Degree of protection	IP65	IP65	IP65	IP65	IP65
Elevation ( m )	≤2000 ( More than 2000 load reduction )	≤2000 ( More than 2000 load reduction )	≤2000 ( More than 2000 load reduction )	≤2000 ( More than 2000 load reduction )	≤2000 ( More than 2000 load reduction )
Country of Manufacture	Made in China				