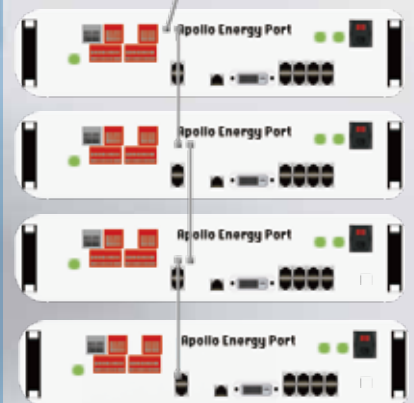


## APL-5K/LV

### Key Features


- Assembling possibility up to 8S8P (series or parallel)
- High-efficiency (charge and discharge) >97%
- High Rate Charge & Discharge
- Enforced Safety with dual hardware and three times hardware protection
- BMS really design safe and reliable instead of MOSFET
- No fan, more quiet and silent. No fan failure problems
- High Reliability Key devices (Relay, Fuse) approved by UL and IEC
- Smart System with remote control from APP and WiFi
- Long Life Reliable LFP cells Cycle life > 6000 cycles
- Easy Installation Plug&Off with a smart design



# Piggy Bank





ITEM		APL-5K/LV	
Total Energy*		5.1kWh	
Usable Energy(DC)*		4.8kWh	
Nominal Dis-/Charge Power		3.0kW	
Peak Power(Only Discharge)		6kW for 3s	
Constant Current(Only Discharge)		80A	
Voltage		48-56Vd.c	
Nominal Voltage		51.2Vd.c	
Nominal Current		60A	
Max. Charge Voltage		57.6Vd.c	
Weight		45kg	
Dimension(mm)		500*448*135mm	
Max.recommended DOD		90%	
Operating Condition		Indoor	
Operating Temperature	Charge	From 0~50 °C	
	Discharge	From -10~55 °C	
WIFI Frequency Range		2400MHz~2483MHz	
Humidity		<60%(No condensed water)	
Over Voltage Category		II	
Cooling Type		Natural cooling	
Case Material		Metal	
Color		Black or White	
Installation		Wall mounting/Ground Installation	
IP rating		IP 20	
Protective Class		I	
Max. Connection Number		8S8P	
Warranty		10 years	
Life Span		>15 years	
Communication		CAN/ RS485	
Protection Mode		Dual hardware protection	
Battery Protection		Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature	
Safety		Cell UL 1973	
		CE	
Hazardous Material Classification		9	
Transportation		UN 38.3	

Testing conditions based on temperature 25 °C at the beginning of life.

\*Total energy/usable energy measured under specific conditions from Apollo

# Technical Specification