

# Lithium Battery

## Modular Stackable Series(HV)



### Specification

<b>MODEL</b>	<b>UNIV-HV ST15k</b>
<b>Component</b>	<b>3*Modules 1*Control Box 1*Base</b>

### BATTERY PARAMETERS

Total Energy (kWh)	15.36	
Useable Energy (kWh)	14.44	
Nominal Voltage (Vd.c)	153.6	
Voltage Range (Vd.c)	134.4 ~ 172.8	
Rated Capacity (Ah)	100	
Recommend Current (A)	Charge	50
	Discharge	50
Depth of Discharge (DOD)	90%	
Dimension (W *H* D) (mm)	660*408*450	
Weight (KG)	123	
BMS Features	Over-voltage & Over-current Protection/Short-circuit Protection Low-voltage Protection/Over Temperature Protection/Cell Balance	
Communication	CAN/RS485	

### OPERATING CONDITION

Operation Temperature	Charge	0°C ~ 55°C (32°F ~ 131°F)
	Discharge	-20°C ~ 60°C (-4°F ~ 140°F)
Storage Temperature		15°C ~ 35°C (59°F ~ 95°F)
IP Rating		IP20
Installation Type		Stack
Cooling Type		Natural
Operating Environment		Indoor (5% ~ 95%(RH) No Condensing)
Altitude		≤4000 m

### CERTIFICATION AND SAFETY

Warranty	10 Years
Operation Life	15+ Years (25°C/77 °F)
Cycle Life	≥8000@25°C, 80%DOD
Certification	CE/Cell UL 1973
Transportation Certification	UN38.3/MSDS

The recommended and max. continuous operation current is for a battery cell temperature within 10~40°C to consider, out of such temp. range will cause a derating on operation current.