



Lithium Battery

Specification

MODEL		UNIV-14.3kWh(S)
BATTERY PARAMETERS		
Total Energy (kWh)		14.34
Useable Energy (kWh)		13.48
Nominal Voltage (Vd.c)		51.2
Voltage Range (Vd.c)		44.8 ~ 57.6
Rated Capacity (Ah)		280
Recommend Current (A)	Charge	140
	Discharge	140
Max. Current (A)	Charge	200
	Discharge	200
Recommend Using DOD		90%
Scalability		Max 16 in Parallel
Dimension (W *H* D)(mm)		560*830*270
Weight (KG)		140
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		Portable
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.