

Lithium Battery

Rack-Mounted Series(LV)



Specification

MODEL		UNIV-10kWh/LV(R)	UNIV-12kWh/LV(R)
BATTERY PARAMETERS			
Total Energy (Wh)		10240	11776
Nominal Voltage (Vd.c)		51.2	51.2
Voltage Range (Vd.c)		44.8 ~ 57.6	44.8 ~ 57.6
Rated Capacity (Ah)		200	230
Recommend Current (A)	Charge	100	115
	Discharge	100	115
Peak Charge Current (A)		150	200
Peak Discharge Current (A)		151 ~ 160A @ 1 hour	201 ~ 210A @ 1 hour
		161 ~ 300A @ 10 sec	211 ~ 300A @ 10 sec
Efficiency		≥95%	
Depth of Discharge (DOD)		90%	
Scalability		Max 16 in Parallel	
Dimension (W *H* D) (mm)		442*230*590	
Weight (KG)		81	94
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		Rack	
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.