


## Lithium Battery LiFePO4 Prismatic Cell

### Rack-Mounted Series(LV)

IMAGE	SPECIFICATION				
	MODEL NO.	UNIV-5.12kWh/LV (W)	UNIV-10kWh/LV (W)	UNIV-14.3kWh/LV (W)	UNIV-17.4kWh/LV (W)
	Total Energy	5.22kWh	10.2kWh	14.3kWh	17.4kWh
	Useable Energy	4.9kWh	9.6kWh	13.5kWh	16.3kWh
	Nominal Voltage (Vd.c.)	51.2Vd.c	51.2Vd.c	51.2Vd.c	51.2Vd.c
	Voltage Range (Vd.c.)	44.8-57.6Vd.c	44.8-57.6Vd.c	44.8-57.6Vd.c	44.8-57.6Vd.c
	Rated Capacity (Ah)	102Ah	200Ah	280Ah	340Ah
	Nominal Charge/Discharge Current (A)	50A	100A	140A	170A
	Peak Charge Current	100A	150A	200A	200A
	Peak Discharge Current	101-110A@60 min	151-160A@60 min	201-210A@60 min	201-210A@60 min
		111-250A@10s	161-300A@10s	211-300A@10s	211-300A@10s
	Weight(KG)	54kg	94kg	146kg	155kg
	Dimension (W x H x D)(mm)	500*600*160mm	530*700*208mm	620*920*380mm	620*950*380mm
	Operation Temperature Discharge	-20°C to +60°C			
	Operation Temperature Charge	0°C to +50°C			
	IP Rating	IP54			
	Depth of Discharge (DOD)	90%			
	Cooling Type	Natural			
	Communication	CAN,RS485			
	Warranty	10 Years			
	Operation Life	15+ Years (25°C/77F)			
	Cycle Life	≥8000@25°C, 80%DOD			
Battery Protection	Over-voltage/Over-current/Short-circuit/Soft-Start/Low-voltage/Temperature/Cell Balance				
Product Certificate	CE/Cell UL 1973				
Transportation Certificate	UN38.3				

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.