

# RKU100 Series

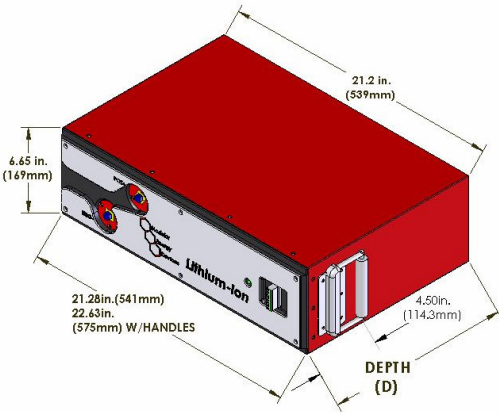
## 23" Rackmount Lithium-ion Battery



The RKU100 battery is a high energy Lithium-ion battery for standby applications. The RKU100 supports 24V and 48V bus levels. The RKU100 utilizes ModEnergy redundant array technology, meaning that an individual cell failure will not completely disable the battery. Advanced management electronics are included offering resettable overvoltage, undervoltage, high temperature and high current protection. An isolated fault relay is provided for status feedback.

### Specifications

<b>Float Voltage</b>	28.2 +/- 0.3V for -V28 Version 52.3 +/- 0.5V for -V52 Version 56.4 +/- 0.5V for -V56 Version
<b>Discharge Cut-off</b>	21V for -V28 Version 39V for -V52 Version 42V for -V56 Version
<b>Capacity</b>	200 Ah (-C200) and 360Ah (-C360) for -V28 100 Ah (-C100) and 180Ah (-C200) for -V52, -V56
<b>Design Life on Float</b>	10 Years at 25°C
<b>Terminals</b>	M8-1.25 female threaded, 96 lb-in (7.9 N-cm)
<b>Operating Temperature</b>	-40 to 131°F (-40 to +55°C)
<b>Storage Temperature</b>	-67 to 149°F (-55 to +65°C)
<b>Approvals</b>	-V52,-V56 : GR-63 Lev 3, GR-1089 Lev 3 All versions: UL60950, CE, CB, CSA



### Capacity, Size, Weight

Capacity Option Code	Rated Capacity (Ah)	D Depth mm (in)	-V28 Weight kg (lbs)	-V52 Weight kg (lbs)	-V56 Weight kg (lbs)
<b>-C100</b>	100	376 (14.8)	—	55.0 (121)	58.0 (127)
<b>-C180</b>	180	605 (23.8)	—	91.0 (200)	97.0 (213)
<b>-C200</b>	200	376 (14.8)	58.0 (127)	—	—
<b>-C360</b>	360	605 (23.8)	97.0 (213)	—	—

### Discharge Current vs. Runtime at 25°C

Capacity Option Code	Runtime										
	10 hr	9 hr	8 hr	7 hr	6 hr	5.5 hr	5 hr	4.5 hr	4 hr	3.5 hr	3 hr
<b>-C100</b>	10.0	11.1	12.5	14.3	16.7	20.2	20.2	22.2	25.0	28.6	33.3
<b>-C180</b>	18.0	20.0	22.5	25.7	30.0	36.0	36.0	40.0	45.0	—	—
<b>-C200</b>	20.0	22.2	25.0	28.5	33.3	40.0	40.0	44.4	50.0	57.0	—
<b>-C360</b>	36.0	40.0	45.0	51.4	60.0	65.5	—	—	—	—	—

### Part Numbers

Part Number	Float Voltage	Capacity
<b>RKU100-V28-C200</b>	28	200
<b>RKU100-V28-C360</b>	28	360
<b>RKU100-V52-C100</b>	52	100
<b>RKU100-V52-C180</b>	52	180
<b>RKU100-V56-C100</b>	56	100
<b>RKU100-V56-C180</b>	56	180