

## UP-HR72-12



Specification	
Nominal Voltage	12V
Watts(15min Rate)	237.7 Wate at 1.67V/cell
Dimension	Length 259±2mm (10.20 inches)
	Width 168±2mm (6.61 inches)
	Container Height 208±2mm (8.19 inches)
	Total Height (with Terminal) 214±2mm (8.43 inches)
Approx Weight	Approx 21.0 kg (46.3lbs)
Terminal	T6 / T14
Container Material	ABS
Rated Capacity	74.4 AH/7.44A (10hr, 1.80V/cell, 25°C/77°F)
	72.0 AH/9.00A (8hr, 1.80V/cell, 25°C/77°F)
	60.0 AH/12.0A (5hr, 1.75V/cell, 25°C/77°F)
	53.4 AH/17.8A (3hr, 1.75V/cell, 25°C/77°F)
	46.4 AH/46.4A (1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	864A (5s)
Internal Resistance	Approx 6.6mΩ
Operating Temperature Range	Discharge: -15~50°C (5~122°F)
	Change : 0~40°C (32~104°F)
	Storage : -15~40°C (5~104°F)
Nominal Operating Temperature Range	25±3°C (77±5°F)
Cycle Use	Initial Charging Current less than 21.6A.Voltage. 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C
Standby Use	No limit on Initial Charging Current Voltage. 13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/°C
Capacity affected by Temperature	40°C (104°F) 103%
	25°C (77°F) 100%
	0°C (32°F) 86%
Self Discharge	Batteries may be stored for up to 6 months at 25°C (77°F) and then a freshening charge is required.

Constant Current Discharge (Amperes) at 25°C (77°F)															
F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	127.1	110.4	91.9	78.2	60.1	45.5	36.9	21.8	16.7	13.3	11.4	10.0	8.74	7.23	3.84
1.80V/cell	167.2	137.0	107.8	89.7	68.9	51.4	40.2	23.1	17.5	13.8	11.5	10.4	9.00	7.44	3.88
1.75V/cell	188.6	150.5	117.7	96.5	71.5	53.4	42.0	23.9	17.8	14.2	12.0	10.7	9.16	7.51	3.92
1.70V/cell	207.7	164.0	125.7	101.5	74.4	55.5	43.3	24.9	18.2	14.5	12.3	10.9	9.29	7.59	3.99
1.65V/cell	229.0	177.0	133.7	107.8	78.5	56.8	44.7	25.6	19.0	15.0	12.6	11.2	9.43	7.75	4.04
1.60V/cell	252.6	192.3	142.9	114.8	82.9	59.3	46.4	26.5	19.6	15.4	13.0	11.3	9.53	7.83	4.06

Constant Power Discharge (Watts) at 25°C (77°F)															
F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	232.4	204.0	171.4	147.4	114.7	87.5	71.2	42.3	32.7	26.3	22.8	20.0	17.2	14.3	7.63
1.80V/cell	302.5	250.1	198.4	166.7	129.3	98.0	77.0	44.5	34.0	27.2	22.9	20.7	17.6	14.6	7.71
1.75V/cell	333.9	270.3	214.0	177.6	133.1	100.7	80.1	46.0	34.4	27.6	23.8	21.2	17.8	14.8	7.77
1.70V/cell	357.4	288.0	225.3	185.3	137.7	104.4	82.5	47.7	35.3	28.3	24.3	21.6	18.0	14.9	7.92
1.65V/cell	388.6	308.0	237.7	195.4	144.1	106.0	84.6	48.8	36.7	29.2	24.8	22.0	18.3	15.2	8.00
1.60V/cell	418.7	326.7	250.1	205.8	151.1	109.9	87.1	50.1	37.6	30.0	25.5	22.4	18.4	15.3	8.03



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