

# LP6-4.5 (6V 4.5Ah)



Since 1993

Item Code: NSA LP6-4,5 T1  
 EAN: 8717101013823

## Specifications

<b>Nominal Voltage</b>	6		
<b>Approx. Weight</b>	0.74 Kg (1.63lbs)		
<b>Container Material</b>	ABS		
<b>Rated Capacity (25 °C)</b>	<b>4.50 Ah</b>	<b>20hr, 0.225A, 1.75V/cell</b>	
	4.26 Ah	10hr, 0.426A, 1.75V/cell	
	3.84 Ah	5hr, 0.768A, 1.75V/cell	
	3.36 Ah	3hr, 1.12A, 1.75V/cell	
	2.80 Ah	1hr, 2.80A, 1.60V/cell	
<b>Short-circuit Current</b>	126A		
<b>Internal Resistance</b>	Approx. 20.0m Ω		
<b>Operating Temp. Range</b>	Discharge:	-15 °C ~ 50 °C	5 °F ~ 122 °F
	Charge:	-20 °C ~ 40 °C	-4 °F ~ 104 °F
	Storage:	-15 °C ~ 40 °C	5 °F ~ 104 °F
<b>Nominal operating temp. Range</b>	25±3°C (77± 5°F)		
<b>Effect of Temp. to Capacity</b>	40 °C	104 °F	103%
	25 °C	77 °F	100%
	0 °C	32 °F	86%
<b>Max. Charging Current (25°C)</b>	1.35A		
<b>Cycle Use</b>	Voltage 7.3V~7.4V at 25°C (77 °F) Temp. Coefficient -5mV/Cell/°C		
<b>Standby Use</b>	Voltage 6.4V~6.8V at 25°C (77°F) Temp. Coefficient -3mV/Cell/°C		
<b>Self-Discharge</b>	Batteries may be stored for up to 6 months at 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.		
<b>Design Life</b>	5 years		



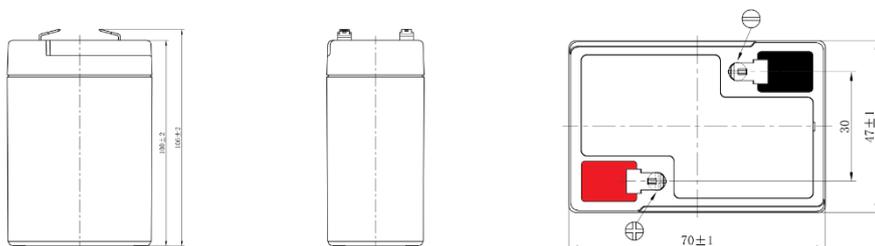
## Certificates / Standards

- UL Certified MH48853
- CE Certified
- Manufactured in certified production facilities; IATF16949/ ISO9001/ ISO14001



## Dimensions

### Layout



<b>Length</b>	70 mm
<b>Width</b>	47 mm
<b>Container Height</b>	100 mm
<b>Total Height</b>	106 mm

### Terminal



<b>Terminal</b>	T1
<b>Layout</b>	5

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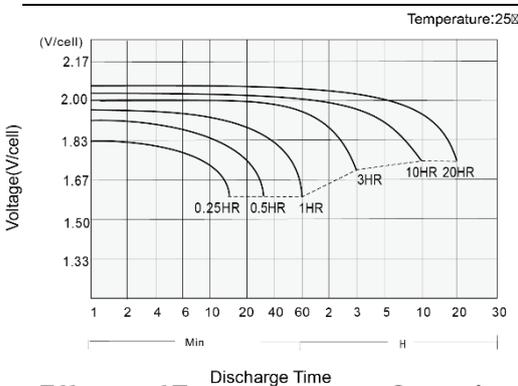
## Constant Current Discharge Characteristics: Amperes (25 ° C)

F.V / Time	10 min	15 min	30 min	1 hr	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	20 hr
1.85V	10.3	8.05	4.94	2.88	1.61	1.14	0.886	0.754	0.509	0.416	0.220
1.80V	10.9	8.44	5.09	2.95	1.64	1.15	0.899	0.765	0.516	0.421	0.223
1.75V	11.4	8.72	5.22	3.01	1.67	1.17	0.911	0.775	0.522	0.426	0.225
1.70V	11.8	9.02	5.36	3.07	1.69	1.19	0.923	0.785	0.527	0.430	0.227
1.67V	12.2	9.24	5.45	3.12	1.71	1.20	0.932	0.792	0.531	0.433	0.229
1.60V	12.7	9.55	5.60	3.19	1.75	1.22	0.949	0.805	0.539	0.439	0.231

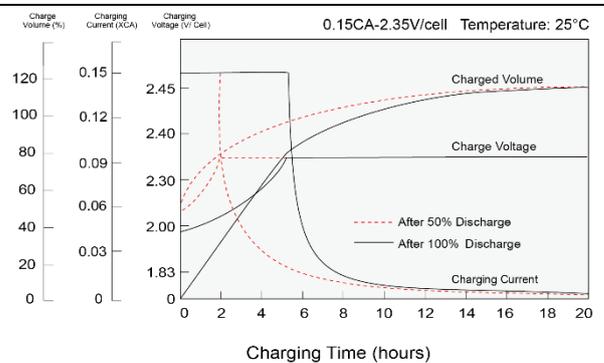
## Constant Power Discharge Characteristics: Watts/ cell (25 ° C)

F.V / Time	10 min	15 min	30 min	1 hr	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	20 hr
1.85V	19.6	15.4	9.54	5.61	3.15	2.23	1.75	1.49	1.01	0.826	0.440
1.80V	20.7	16.1	9.79	5.73	3.20	2.27	1.77	1.51	1.02	0.837	0.445
1.75V	21.4	16.5	10.0	5.82	3.25	2.30	1.79	1.53	1.03	0.844	0.450
1.70V	22.1	17.0	10.2	5.91	3.29	2.33	1.81	1.54	1.04	0.853	0.454
1.67V	22.6	17.3	10.4	5.99	3.32	2.35	1.82	1.55	1.05	0.858	0.457
1.60V	23.5	17.8	10.6	6.10	3.37	2.38	1.85	1.58	1.06	0.868	0.462

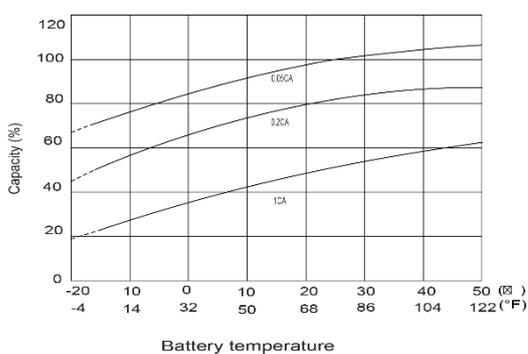
## Discharge Characteristic



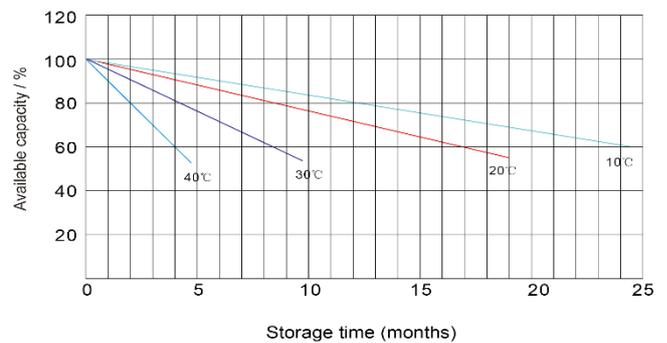
## Charging Characteristics



## Effects of Temperature on Capacity



## Self Discharge Characteristics



(Note) All above information shall be changed without prior notice, Landport Batteries reserves the right to explain and update the latest information.