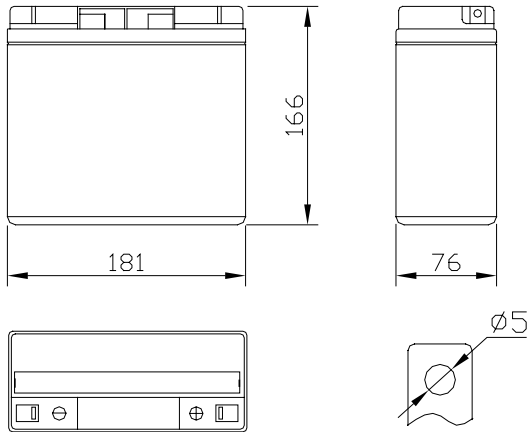




# PCL12-18 12V18Ah

A general purpose battery with 10 years design life in standby service or more than 300 cycles at 80% discharge in cycle service.

## Outer Dimensions



## Dimensions and Weight

Length (mm) .....	181
Width (mm) .....	76
Height (mm) .....	166
Approx. Weight (kg) .....	6.2

## Constant Power Discharge Characteristics Unit: Watt ( 25°C, 77°F)

F.V/Time	5Min	10Min	15Min	30Min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	815	530	407	251	152	86.9	62.1	49.5	39.9	26.1	21.3	11.1
1.67V	765	512	398	248	150	86.4	62.1	49.1	39.6	26.1	21.0	10.8
1.70V	743	503	392	248	150	86.0	61.7	49.1	39.5	26.0	21.0	10.6
1.75V	693	480	380	243	149	86.0	61.7	49.1	39.3	25.7	20.7	10.5
1.80V	642	456	366	240	149	85.5	61.2	49.1	39.3	25.5	20.4	10.3
1.85V	593	435	353	237	148	85.5	61.2	48.6	39.2	25.4	20.3	10.0

## Constant Current Discharge Characteristics Unit: A ( 25°C, 77°F)

F.V/Time	5Min	10Min	15Min	30Min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	68.4	44.6	34.1	21.0	12.7	7.29	5.22	4.17	3.41	2.24	1.82	0.93
1.67V	64.2	42.9	33.3	20.9	12.6	7.29	5.22	4.13	3.38	2.22	1.80	0.92
1.70V	62.1	42.2	33.0	20.7	12.6	7.25	5.18	4.11	3.38	2.22	1.80	0.92
1.75V	58.5	40.2	31.8	20.4	12.5	7.25	5.18	4.10	3.36	2.21	1.77	0.90
1.80V	54.0	38.4	30.8	20.3	12.5	7.20	5.13	4.10	3.36	2.18	1.74	0.89
1.85V	49.5	36.5	29.7	20.0	12.4	7.16	5.13	4.08	3.35	2.16	1.73	0.84

Above data are average values. Subject to change without prior notice. For latest product info, please contact our sales team.

<b>Specification</b>	
<b>Dimensions (L*W*H)</b>	181mm* 76mm*166mm
<b>Cells Per Unit</b>	6
<b>Nominal Voltage Per Unit</b>	12
<b>Capacity</b>	18 Ah at 20 hour-Rate to 1.75V Per Cell at 25°C(77°F)
<b>Weight</b>	Approx. 6.2kg (13.64 LBS)
<b>Maximum Discharge Current</b>	171.5A (5 Sec)
<b>Operating Temperature Range</b>	Discharge : -20°C~50°C (-4°F~122°F) Charge : 0°C~40°C (32°F~104°F) Storage : -20°C~40°C (-4°F~104°F)
<b>Nominal Operating Temperature Range</b>	25°C±3°C(77°F±5°F)
<b>Float Charging Voltage</b>	13.5 to 13.8 VDC/Unit Average at 25°C(77°F)
<b>Recommended Maximum Charging Current Limit</b>	3.6 A
<b>Equalization and Cycle Service</b>	14.4 to 15.0 VDC/Unit Average at 25°C(77°F)
<b>Self Discharge</b>	Batteries can be stored for more than 6 months at 25°C(77°F). Please charge batteries before using. For higher temperatures the time interval will be shorter.
<b>Terminal</b>	Fast on 12*2
<b>Container Material</b>	UL94-V2 Flammable resistant
<b>Carto</b>	340mm*197mm*185mm
<b>PCS. in Carton</b>	4

