

SHANGHAI XINLEIN BABY CARS ACCESSORIES CO

Product specification manual

PHYSICAL SPECIFICATION					
concept		Content		unit	
Nominal Voltage		6		V	
Nominal Capacity (20hr)		7		AH	
Dimention	Lenth		150±1mm		mm
	Width		35±1mm		mm
	Height		95±1mm		mm
	total Height		100±1mm		mm
Referential weight		≈1.01		kg	
ELECTRICAL SPECIFICATION					
Nominal Capacity (20°C)					
Hour Rate	Discharge Current	To	End Voltage	Rated Capacity	Unit
20hour rate	0.35	to	5.25	7.14	AH
10hour rate	0.70	to	5.25	6.58	AH
5hour rate	1.16	to	5.25	5.95	AH
1hour rate	4.01	to	5.25	3.99	AH
1C20	7.00	to	4.8	3.43	AH
3C20	21.00	to	4.8	2.59	AH
Capacity affected by Temperature(20hr)					
-20°C					65%
20°C					100%
50°C					105%
Internal Resistancefully charging battery (20°C)				20-28	mΩ
charging (constantVoltage))	Cycle	Initial charging Current less than 2.1A Voltage 7.3~7.6V (20°C)Temp Coefficient -12mv/°C			
	Float	nitial charging Current less than 2.1A Voltage 6.8-6.9V (20°C)Temp Coefficient -9mv/°C			
The use of the environment				charging 0°C to 40°C discharge -15°C to 50°C Preservation -15°C to 40°C	

Charge retention time (20°Cpreservation environment)		one month	90%
		three month	85%
		six month	75%
Table of Relationship between Open Circuit Voltage and Capacity -(25°C)			
capacity	6V open circuit voltage	12V open circuit voltage	
100%	$V > 6.5V$	$V > 13.0V$	
90%	$6.40 < V < 6.50$	$12.80 < V < 13.00$	
80%	$6.33 < V < 6.40$	$12.65 < V < 12.80$	
70%	$6.25 < V < 6.33$	$12.50 < V < 12.65$	
60%	$6.18 < V < 6.25$	$12.35 < V < 12.50$	
50%	$6.10 < V < 6.18$	$12.20 < V < 12.35$	
40%	$6.03 < V < 6.10$	$12.05 < V < 12.20$	
30%	$5.95 < V < 6.03$	$11.90 < V < 12.05$	
20%	$5.88 < V < 5.95$	$11.75 < V < 11.90$	
10%	$5.80 < V < 5.88$	$11.60 < V < 11.75$	

