		conditions	
nominal voltage	1.2 V		Standard Charge
max. charge voltage	1.5 V	at standard charge (0.1C/20℃)	1.6 1.5
capacity		,	S1.4 0.1C
nominal	4500mAh	discharge at 0.2C	\$1.4 \$\text{\tint{\text{\tin}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tex{\tex
	>4050 mAh	discharge at 1C	9 1.2
minimal	4500mAh	discharge at 0.2C	1.1
Typical	4800mAh	1.0V end discharge voltage	1.0
		ambient temperature 20 ℃	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
max. discharge current	9A	ambient temperature	charge time (hrs)
Carrent	9A	2050°C	Available Charge/discharge efficirncy vs. temp.
ohorgo	oborgo gurront	oborgo timo	Capacity(
charge Trickel charge	charge current 225 mA	48hrs at 20°C	1106
standard charge	450 mA	15hrs at 20°C	100
Standard Charge	430 IIIA	131113 at 20 C	95 90
trickle charge current	225450 mA	(recommended)	85 80 - Charact 0.050 for 40hrs
		(	75   Charge: 0.05C for 48hrs Discharge: 0.2C until 1.0V
Trickel Charge Life	>=4year	0.05C (0~70°C)	70 65
	•	,	60 + + + + + + + +
			0 10 <sub>har</sub> გე <sub>and</sub> გე <sub>cha</sub> გე <sub>cha</sub> გე <sub>de</sub> გე <sub>0</sub> 70
continuous overcharge	<450 mA	no conspicuous deformation	
(less than 1 year)		no leakage	Low Rate Discharge
internal resistance	<12 mOhms	at 1000Hz	
internal resistance	< 12 IIIOIIIIS	battery fully charged	1.5 0.5C 0.2C 0.1C
		battery fully charged	1.3
life expectancy	>500 cycles	IEC61951-1 Permanent	(S) 1.1 (S) 0 (S)
	000 0,0.00	Charge Endurance Test	0.9
Charge retention	>3150mAh	discharge at 0.2C after storag	0.7
		28 days at 20+/-5℃	
ambient temperature	070℃	standard charge	0.5
range	-2070℃	discharge	discharge time (hrs)
	-2035℃	more than 1 week	
	-2060℃	less than 1 week	High Rate Discharge
			1.6
			1.4
			\$1.0 \$0.8
		<del>&lt; d1  </del>	0.6
		$\left \begin{array}{c} d^2 \\ \downarrow \end{array}\right $	0.4
			0.2
			0.0
			0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 discharge time (hrs)
			mechanical specifications
			cell dimensions (with sleeve)
			diameter d1 32.5+/-0.5 mm
			diameter d2 10.0+/-0.4 mm height h1 60.0-1.5 mm
DATA SHEET FOR	Ni-Cd D	1	height h1 60.0-1.5 mm weight approx. 122 g
VAPEXTECH DRAWING	VTC4500DT	1	woight approx. 122 g
		- I	

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