Title	Specifications of Lithium Ion battery (Cylindrical Type)	Page	1/12

1. Extent of the application

This specification is applied to the SANYO Lithium Ion Battery of the above mentioned type for a bicycle lamp of Mobile Energy Technology Co., Ltd.

2. Battery Classification and Type

2.1 Battery Classification SANYO Lithium Ion Battery
2.2 Battery Type UR14500P

3. Nominal Specifications

Item		Specification	Remark
3.1 Nominal Capacity		800mAh	0.16A discharge
3.2 Nominal Voltage		3.70V	0.16A discharge
3.3 End Voltage		2.75V	
3.4 Charging Current (Std.)		0.80A	0 ~ +40℃
3.5 Charging Voltage		4.20V	Tolerance is ±0.03V
3.6 Charging Time (Std.)		3hours	
3.7 Discharging Current (Std.)		0.40A	-20 ~ +60℃
3.8 Discharging Current (Max.)※1		0.80A	-20 ~ +60℃
		1.60A	0 ~ +40℃
3.9 Internal Resistance		less than 100mΩ	AC Impedance 1kHz
3.10 Weight		less than 21g	
3.11 Surroundings	less than 1month	-20 ~ +50℃	Percentage of recoverable capacity 80%※2
Temperature range	less than 3months	-20 ~ +40℃	
for shipped battery	less than 1year	-20 ~ +20℃	

※1 Maximum discharge current as a single cell state is as above stated. However after assembling to the battery pack, there is the limitation of maximum discharge current because of protection circuit and protection device.

※2 Percentage of recoverable capacity

= (discharging time after storage/Initial discharging time) × 100

Discharging time is measured by the discharge at 0.16A to 2.75V end voltage after fully charged according to specification at approximately 25℃.

No.	Date	Remark	No.	Date	Remark
(0)	17/Feb./'09	Issue(Tentative)	(b)		
(a)			(c)		