



UPS12360

12V 360W

UPS 12360 is specially designed for high efficient discharge application. Its characteristics are high energy density, small footprint and high discharge efficiency. It can be used for more than 260 cycles at 100% discharge in cycle service, up to 5 years in standby service.



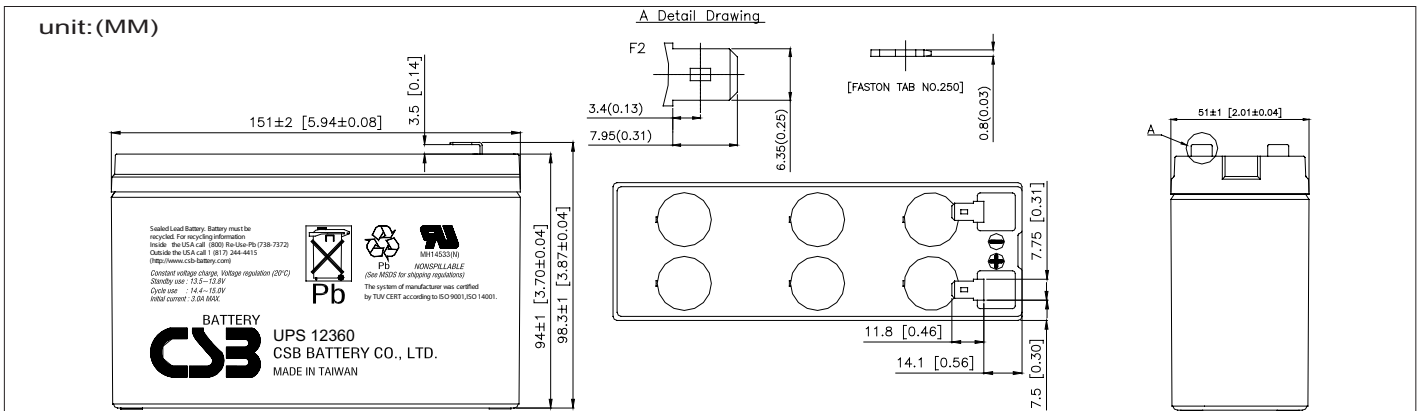
Specification

Cells Per Unit	6
Voltage Per Unit	12
Capacity	360 W @5min-rate to Watt(1.6V)/pcs @25 °C (77°F) 6.5 A h @ 20hr-rate to 1.75V per pcs @25 °C (77°F)
Weight	Approx. 1.91 kg(4.21 lbs)
Maximum Discharge Current	130A(5sec)
Internal Resistance	Approx. 20.5mΩ
Operating Temperature Range	Discharge: -15°C~50°C (5°F~122°F) Charge: -15 °C~40°C (5°F~104°F) Storage: -15°C~40°C (5°F~104°F)
Nominal Operating Temperature Range	25°C±3°C(77°F±5°F)
Float Charging Voltage	13.5 to 13.8 VDC/unit Average at 25°C(77°F)
Recommended Maximum Charging	3.0A
Current Limit	
Equalization and Cycle Service	14.4 to 15.0 VDC/unit Average at 25°C(77°F)
Self Discharge	CSB 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.
Terminal	F2-Faston Tab 250
Container Material	ABS(UL 94-HB/File E50263)*Flammability resistance of (UL 94-V0/File E88637) can be available upon request.



CSB-manufactured batteries are UL-recognized components under UL924 and UL1989. CSB is also certified by ISO 9001 and ISO 14001.

Dimensions



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

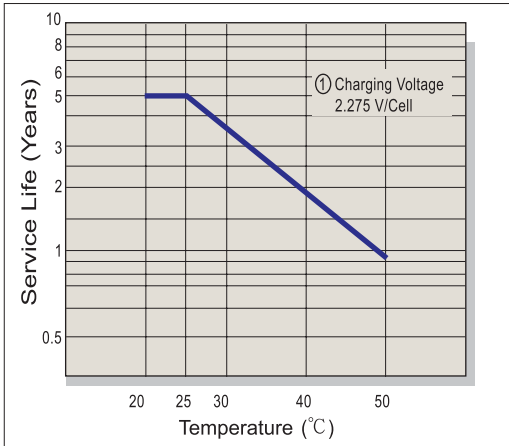
F.V/Time	2MIN	3MIN	4MIN	5MIN	6MIN	7MIN	8MIN	10MIN	15MIN	20MIN	30MIN	60MIN	90MIN
1.60V	60.3	48.9	41.4	36.0	31.9	28.6	26.4	22.0	16.4	13.1	9.58	5.49	3.94
1.67V	56.8	45.2	39.4	34.5	30.8	27.4	25.1	21.3	16.0	12.8	9.34	5.34	3.83
1.70V	54.1	44.1	38.4	33.5	29.9	26.8	24.7	20.7	15.6	12.6	9.14	5.27	3.77
1.75V	50.1	40.8	35.5	31.2	28.0	25.3	23.6	19.9	15.0	12.3	8.94	5.19	3.67
1.80V	45.6	37.5	32.3	28.8	26.3	23.7	22.0	18.9	14.4	11.7	8.60	4.99	3.56
1.85V	38.3	33.1	29.4	26.6	24.7	22.2	20.5	17.7	13.4	11.1	8.29	4.82	3.38

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

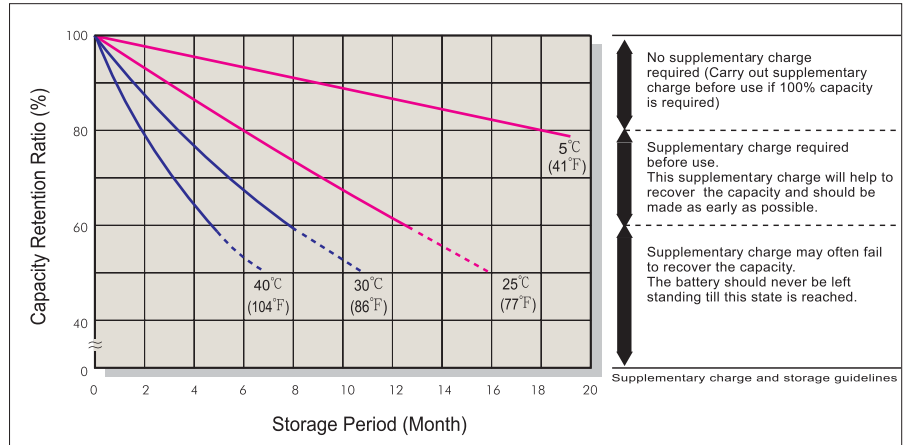
F.V/Time	2MIN	3MIN	4MIN	5MIN	6MIN	7MIN	8MIN	10MIN	15MIN	20MIN	30MIN	60MIN	90MIN
1.60V	626	514	441	384	340	305	282	236	177	142	105	60.9	44.2
1.67V	602	485	427	375	335	299	274	234	176	142	104	60.3	43.8
1.70V	577	477	421	368	328	294	272	229	173	141	103	60.1	43.4
1.75V	542	448	394	347	311	282	264	222	168	139	102	59.9	42.8
1.80V	500	417	364	324	296	267	248	214	164	134	99.5	58.4	42.1
1.85V	426	373	336	304	282	253	234	203	154	129	97.1	57.1	40.4

- All mentioned values are average values.
- Tolerance: X<6min(+15%~-15%), 6min ≤ X<10min(+12%~-12%), 10min ≤ X<60min(+8%~-8%), X ≥ 60min(+5%~-5%)

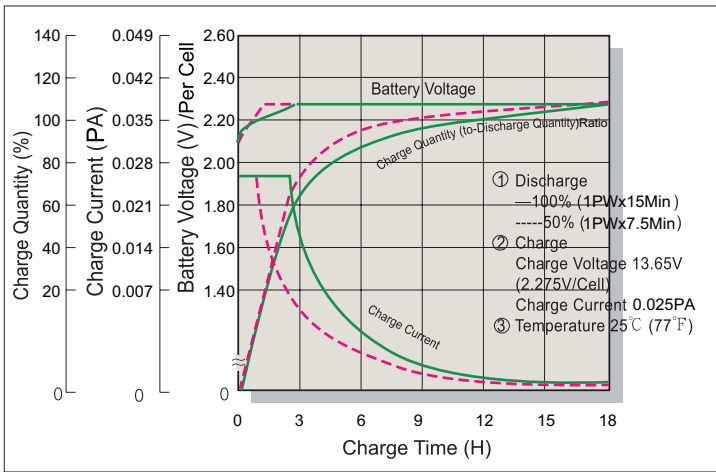
Trickle (or Float) Service Life



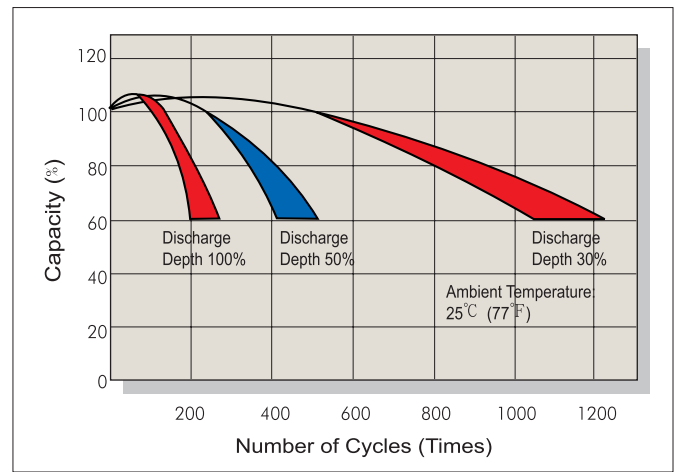
Capacity Retention Characteristic



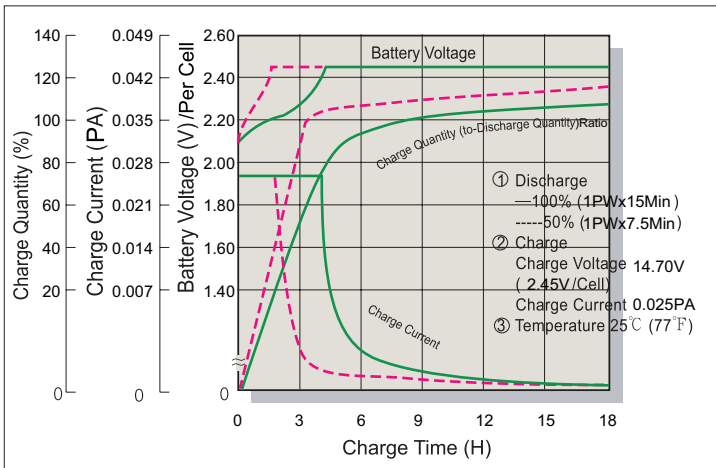
Battery Voltage and Charge Time for Standby Use



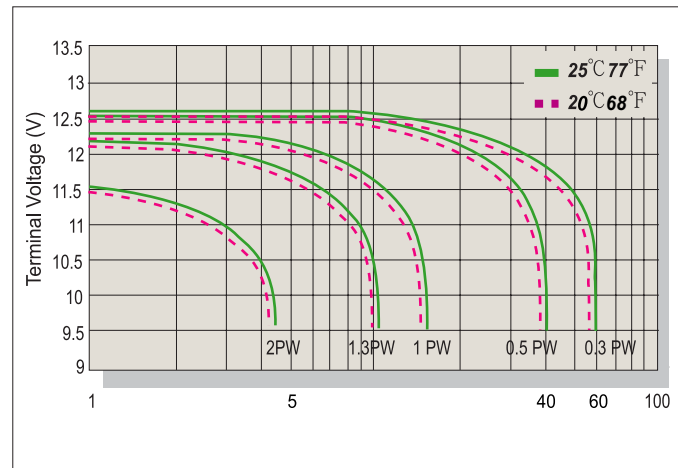
Cycle Service Life



Battery Voltage and Charge Time for Cycle Use



Terminal Voltage (V) and Discharge Time



Charging Procedures

Application	Charge Voltage(V/Cell)			Max.Charge Current
	Temperature	Set Point	Allowable Range	
Cycle Use	25°C(77°F)	2.45	2.40~2.50	0.1PA
Standby	25°C(77°F)	2.275	2.25~2.30	

Discharge Current VS. Discharge Voltage

Final Discharge Voltage V/Cell	1.75	1.70	1.60	1.30
Discharge Power(W)	0.1P>(W)	0.1P≤(W)<0.25P	0.25P≤(W)<1.0P	(W)≥1.0P

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