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UPS12240 6 ▶

UPS 12240 6 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
	240W @ 5min-rate to Watt(1.60V)/pcs @25 °C (77°F)
Capacity	5.0 A h @ 20hr-rate to 1.75V per pcs @25 °C (77°F)
Weight	Approx. 1.45 kg(3.2 lbs)
Maximum Discharge Current	100/130A(5sec)
Internal Resistance	Approx. 32m Ω
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	2.0A
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	F1/F2-Faston Tab 180/250
Container Material	ABS(UL 94-HB/File E50263)*Flammability resistance of (UL 94-V0/File E88637) can be available upon request.

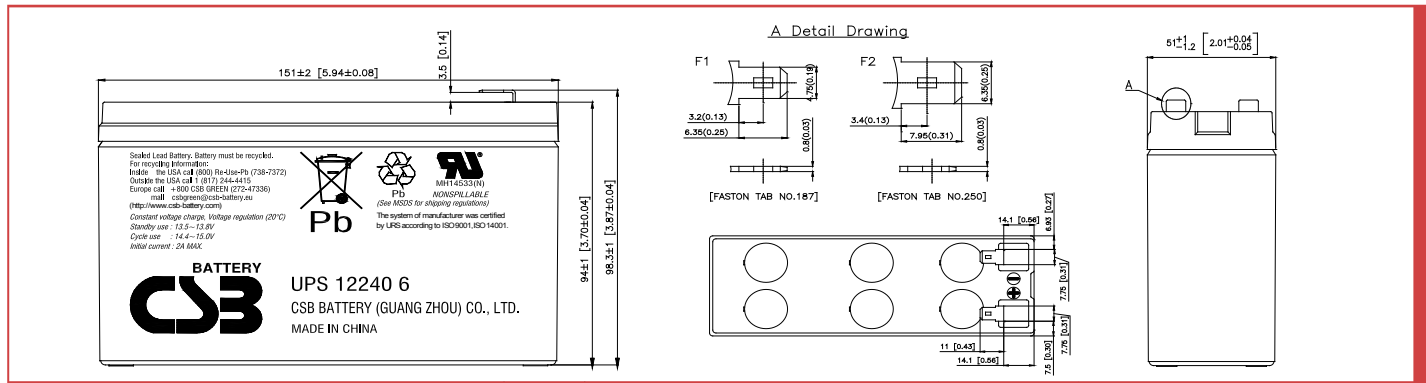


CSB-manufactured VRLA batteries are UL-recognized components under UL924 and UL1989.

CSB is also certified by ISO 9001 and ISO 14001.

► Dimensions :

Unit: mm (inch)	Overall Height (H)	Container height (h)	Length (L)	Width (W)
	98.3±1 (3.87±0.04)	94±1 (3.7±0.04)	151±2 (5.94±0.8)	51±1 (2.01±0.04)



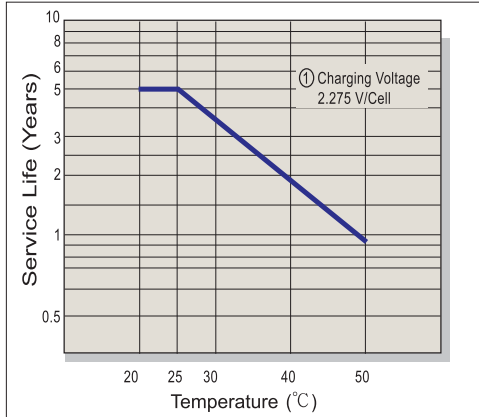
Constant Current Discharge Characteristics Unit:A (25°C ,77°F)

F.V/Time	2MIN	3MIN	4MIN	5MIN	6MIN	7MIN	8MIN	10MIN	15MIN	20MIN	30MIN	60MIN	90MIN
1.60V	40.1	31.2	25.8	23.3	20.7	18.6	16.9	14.4	10.4	8.21	5.89	3.42	2.43
1.67V	36.0	28.6	24.4	22.2	19.8	17.8	16.4	14.1	10.3	8.06	5.79	3.40	2.39
1.70V	33.7	27.4	23.6	21.3	19.0	17.2	16.0	13.9	10.2	7.94	5.74	3.39	2.36
1.75V	30.0	25.0	22.1	20.1	18.2	16.5	15.4	13.5	9.91	7.81	5.64	3.37	2.35
1.80V	26.5	22.5	20.2	18.7	17.1	15.7	14.5	12.7	9.53	7.60	5.53	3.31	2.33
1.85V	23.7	20.2	18.2	17.2	15.8	14.5	13.4	11.6	8.82	7.09	5.23	3.19	2.27

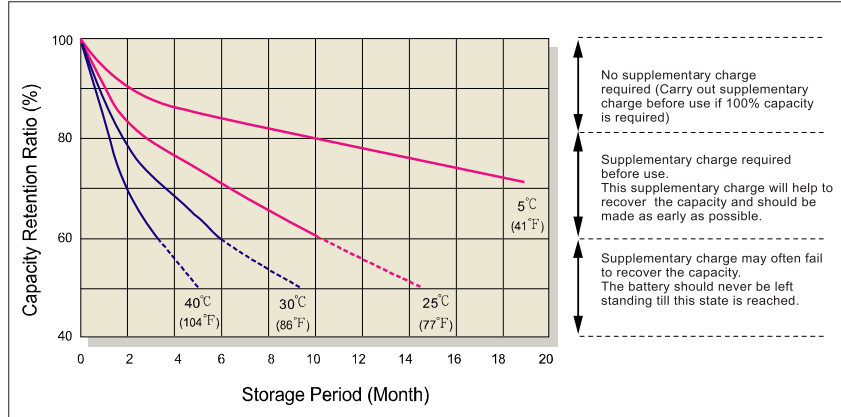
Constant Power Discharge Characteristics Unit:W (25°C ,77°F)

F.V/Time	2MIN	3MIN	4MIN	5MIN	6MIN	7MIN	8MIN	10MIN	15MIN	20MIN	30MIN	60MIN	90MIN
1.60V	386	313	273	244	218	197	179	157	115	92.6	68.2	40.6	29.2
1.67V	355	301	262	232	210	192	176	155	114	91.4	67.3	40.4	28.8
1.70V	346	289	258	228	206	188	173	153	113	90.1	66.6	40.3	28.5
1.75V	321	274	246	221	201	183	170	149	111	88.9	65.7	40.1	28.4
1.80V	290	254	229	208	190	173	160	141	108	86.9	64.5	39.6	28.3
1.85V	261	232	207	190	176	161	148	130	99.4	81.6	61.3	38.3	27.6

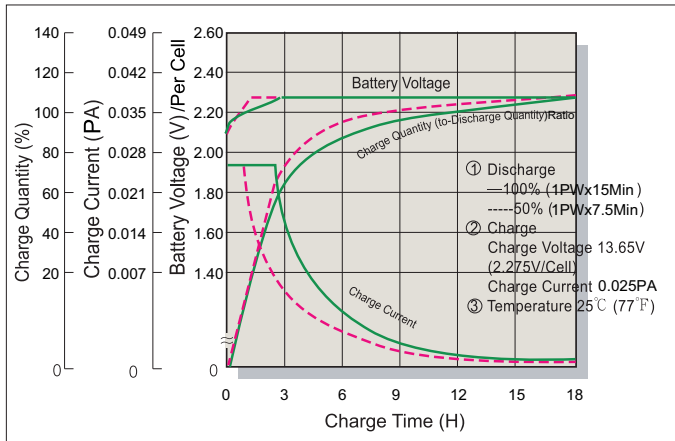
Trickle (or Float) Service Life



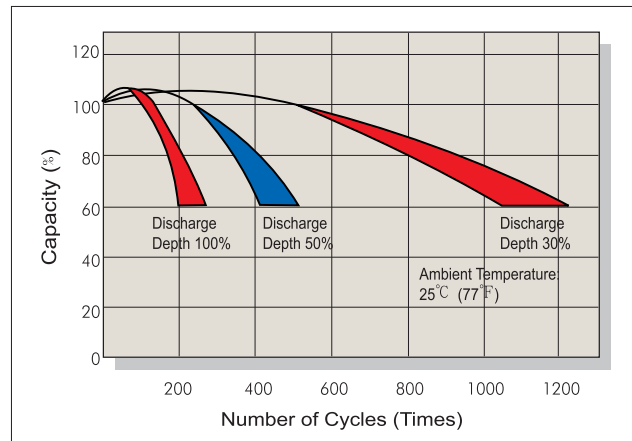
Capacity Retention Characteristic



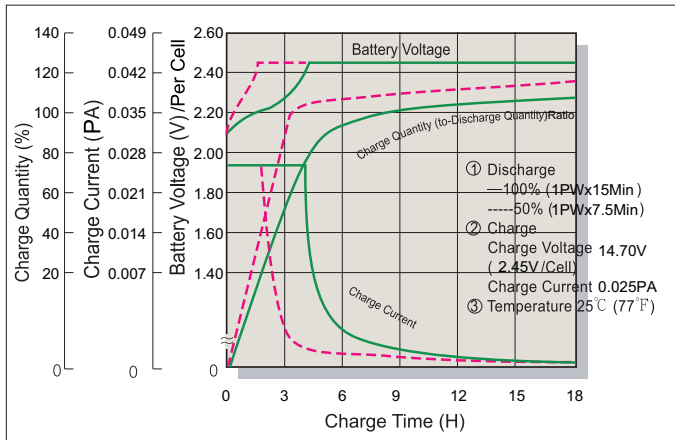
Battery Voltage and Charge Time for Standby Use



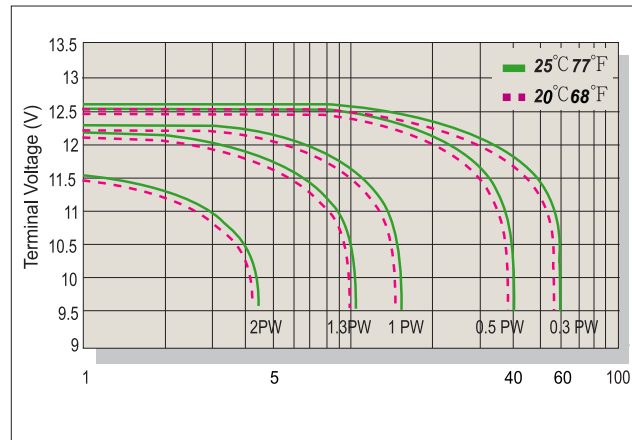
Cycle Service Life



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	

P: For single cell wattage at 15 minute rate to 1.67V per cell.

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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