



UPS series UPS 122406



Valve Regulated Lead Acid Battery

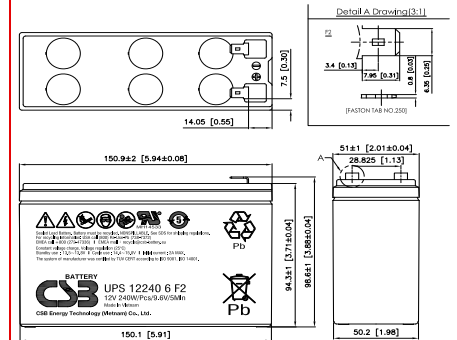
Maintenance-Free Sealed Lead Acid Battery.
Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99%.

General Design for Standby Power Applications

【Design Life】 Up to 5 Years in Standby Service at 25°C Eurobat (20°C) : 3-5 YEARS STANDARD COMMERCIAL	【Float Charging Voltage】 13.5 ~ 13.8 VDC/Unit at 25°C (77°F)
【Operating Temperature Range】 Nominal Operating Temperature : 25°C (77°F) 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)	【Equalization Charging Voltage】 14.4 ~ 15.0 VDC/Unit at 25°C (77°F)
	【Self Discharge】 Less than 10% after 90 days, can be stored up to 6 months at 25°C (77°F); Fully recharging is required before usage, and charged sooner if stored at higher temperature than 25°C (77°F).

Specification Design according with IEC 61056-1/2:2012

Nominal Voltage	12V (6 cells per unit)	
Nominal Capacity	240W @5min-rate to 9.60V per PCS @25°C (77°F)	
Weight	Approx. 1.46 Kg (3.22 lbs)	
Maximum Discharge Current	100/130 A (5sec)	
Internal Resistance	Approx. 33.50 mΩ	
Short Circuit Current	230A	
Maximum Charge Current	2.0 A	
Terminal types	F1/F2 terminal -Faston Tab 187/250	
Terminal tightening torque	--	
Container Material	ABS (UL 94-HB) & Flame Retardant (94-V0) available upon request	
Dimensions	Length (L)	150.9±2.0 mm 5.94±0.08 inch
	Width (W)	51.0±1.0 mm 2.01±0.04 inch
	Container Height (h)	94.3±1.0 mm 3.71±0.04 inch
	Overall Height (H)	98.6±1.0 mm 3.88±0.04 inch



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

F.V/Time	2MIN	4MIN	5MIN	6MIN	8MIN	10MIN	15MIN	20MIN	30MIN	45MIN	60MIN	90MIN
1.60V	42.4	27.2	23.6	20.6	16.1	13.5	9.89	7.93	5.80	4.21	3.35	2.41
1.67V	37.4	26.0	22.7	20.0	15.9	13.3	9.77	7.88	5.77	4.19	3.34	2.40
1.70V	35.2	25.2	22.0	19.7	15.6	13.2	9.67	7.86	5.75	4.16	3.31	2.38
1.75V	31.4	23.5	20.8	18.5	14.9	12.8	9.57	7.73	5.69	4.12	3.28	2.36
1.80V	27.7	21.3	19.1	16.9	14.0	12.1	9.22	7.48	5.55	4.04	3.22	2.32
1.85V	24.0	19.0	16.7	15.0	12.6	11.0	8.53	6.96	5.28	3.85	3.08	2.23

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

F.V/Time	2MIN	4MIN	5MIN	6MIN	8MIN	10MIN	15MIN	20MIN	30MIN	45MIN	60MIN	90MIN
1.60V	383	275	240	213	177	151	112	90.1	66.1	48.2	38.5	28.1
1.67V	362	264	233	208	174	149	111	89.7	65.7	48.0	38.4	28.0
1.70V	350	258	228	205	171	148	110	89.4	65.6	47.9	38.3	27.9
1.75V	324	243	217	196	166	144	109	88.1	65.1	47.6	38.1	27.8
1.80V	296	226	201	184	156	136	105	85.5	63.7	46.7	37.5	27.4
1.85V	258	203	184	170	143	127	97.8	79.7	61.3	45.0	36.1	26.4

Please refer to the official site for the latest rating confirmation. URL: www.csb-battery.com

Issued: 200927

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UPS series UPS 123606



Valve Regulated Lead Acid Battery

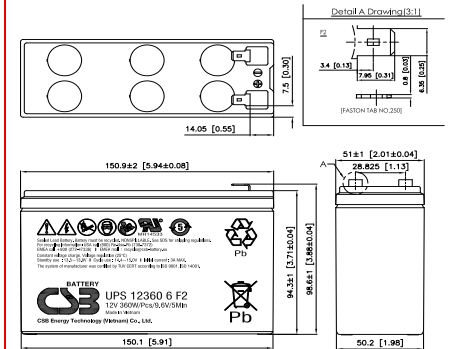
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General Design for Standby Power Applications

【Design Life】 Up to 5 Years in Standby Service at 25°C Eurobat (20°C) : 3-5 YEARS STANDARD COMMERCIAL	【Float Charging Voltage】 13.5 ~ 13.8 VDC/Unit at 25°C (77°F)
【Operating Temperature Range】 Nominal Operating Temperature : 25°C (77°F) 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)	【Equalization Charging Voltage】 14.4 ~ 15.0 VDC/Unit at 25°C (77°F)
	【Self Discharge】 Less than 10% after 90 days, can be stored up to 6 months at 25°C (77°F); Fully recharging is required before usage, and charged sooner if stored at higher temperature than 25°C (77°F).

Specification Design according with IEC 61056-1/2:2012

Nominal Voltage	12V (6 cells per unit)	
Nominal Capacity	360W @5min-rate to 9.60V per PCS @25°C (77°F)	
Weight	Approx. 1.97 Kg (4.34 lbs)	
Maximum Discharge Current	100/130 A (5sec)	
Internal Resistance	Approx. 20.70 mΩ	
Short Circuit Current	325A	
Maximum Charge Current	3.0 A	
Terminal types	F1/F2 terminal -Faston Tab 187/250	
Terminal tightening torque	--	
Container Material	ABS (UL 94-HB) & Flame Retardant (94-V0) available upon request	
Dimensions	Length (L)	150.9±2.0 mm 5.94±0.08 inch
	Width (W)	51.0±1.0 mm 2.01±0.04 inch
	Container Height (h)	94.3±1.0 mm 3.71±0.04 inch
	Overall Height (H)	98.6±1.0 mm 3.88±0.04 inch



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

F.V/Time	2MIN	4MIN	5MIN	6MIN	8MIN	10MIN	15MIN	20MIN	30MIN	45MIN	60MIN	90MIN
1.60V	61.7	41.2	35.3	31.1	24.7	20.7	15.2	12.1	8.90	6.43	5.10	3.64
1.67V	55.0	38.8	33.7	30.1	24.0	20.4	15.1	12.1	8.84	6.38	5.06	3.62
1.70V	52.2	37.5	32.6	29.2	23.6	20.1	15.0	12.0	8.81	6.34	5.02	3.61
1.75V	47.1	34.6	30.8	27.2	22.5	19.2	14.6	11.8	8.68	6.26	4.97	3.58
1.80V	42.4	31.4	27.6	24.8	20.7	18.0	13.9	11.3	8.40	6.11	4.88	3.52
1.85V	36.8	27.0	24.1	21.7	18.5	16.4	12.7	10.5	7.95	5.79	4.63	3.38

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

F.V/Time	2MIN	4MIN	5MIN	6MIN	8MIN	10MIN	15MIN	20MIN	30MIN	45MIN	60MIN	90MIN
1.60V	558	403	360	318	259	222	169	135	100	73.0	58.4	42.4
1.67V	529	388	347	308	254	218	167	134	99.1	72.4	58.0	42.3
1.70V	510	381	340	301	250	216	165	133	98.7	72.1	57.7	42.0
1.75V	472	364	319	287	238	210	159	132	98.2	71.7	57.3	41.7
1.80V	423	330	293	264	225	199	154	126	96.0	70.3	56.4	41.2
1.85V	374	287	261	238	204	183	142	119	91.7	67.7	54.6	40.2

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UPS series UPS 123607



Valve Regulated Lead Acid Battery

Maintenance-Free Sealed Lead Acid Battery.
Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99%.

General Design for Standby Power Applications

【Design Life】

Up to 5 Years in Standby Service at 25°C
Eurobat (20°C) : 3-5 YEARS STANDARD COMMERCIAL

【Operating Temperature Range】

Nominal Operating Temperature : 25°C (77°F)
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)

【Float Charging Voltage】

13.5 ~ 13.8 VDC/Unit at 25°C (77°F)

【Equalization Charging Voltage】

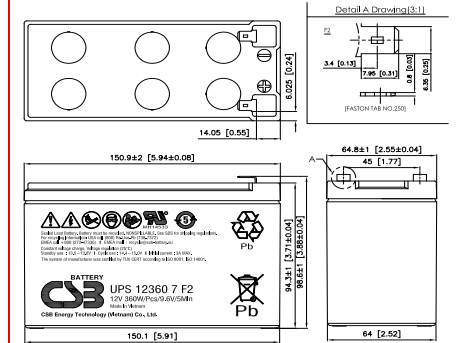
14.4 ~ 15.0 VDC/Unit at 25°C (77°F)

【Self Discharge】

Less than 10% after 90 days, can be stored up to 6 months at 25°C (77°F);
Fully recharging is required before usage, and charged sooner if stored at higher temperature than 25°C (77°F).

Specification Design according with IEC 61056-1/2:2012

Nominal Voltage	12V (6 cells per unit)		
Nominal Capacity	360W @5min-rate to 9.60V per PCS @25°C (77°F)		
Weight	Approx. 2.00 Kg (4.41 lbs)		
Maximum Discharge Current	100/130 A (5sec)		
Internal Resistance	Approx. 20.90 mΩ		
Short Circuit Current	325A		
Maximum Charge Current	3.0 A		
Terminal types	F1/F2 terminal -Faston Tab 187/250		
Terminal tightening torque	--		
Container Material	ABS (UL 94-HB) & Flame Retardant (94-V0) available upon request		
Dimensions	Length (L)	150.9±2.0 mm	5.94±0.08 inch
	Width (W)	64.8±1.0 mm	2.55±0.04 inch
	Container Height (h)	94.3±1.0 mm	3.71±0.04 inch
	Overall Height (H)	98.6±1.0 mm	3.88±0.04 inch



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

F.V/Time	2MIN	4MIN	5MIN	6MIN	8MIN	10MIN	15MIN	20MIN	30MIN	45MIN	60MIN	90MIN
1.60V	62.8	41.5	35.5	30.8	24.5	20.5	14.9	11.9	8.71	6.32	5.04	3.61
1.67V	55.7	39.2	34.0	29.7	24.0	20.2	14.8	11.8	8.66	6.29	5.02	3.60
1.70V	52.2	38.1	32.9	29.0	23.5	19.9	14.6	11.7	8.63	6.26	4.98	3.57
1.75V	47.1	35.0	30.7	27.2	22.4	19.1	14.3	11.5	8.50	6.20	4.95	3.56
1.80V	42.0	31.5	27.9	24.8	20.7	17.9	13.6	11.1	8.30	6.07	4.86	3.51
1.85V	36.6	27.2	24.2	21.9	18.5	16.3	12.6	10.4	7.83	5.77	4.64	3.36

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

F.V/Time	2MIN	4MIN	5MIN	6MIN	8MIN	10MIN	15MIN	20MIN	30MIN	45MIN	60MIN	90MIN
1.60V	550	405	360	322	268	228	170	137	100	73.2	58.6	43.0
1.67V	522	390	352	315	263	225	169	136	100	72.9	58.4	42.5
1.70V	499	383	344	309	258	222	167	134	98	72.4	58.2	42.2
1.75V	462	365	326	295	249	214	164	132	96.8	71.6	57.8	41.9
1.80V	428	339	301	274	232	203	156	128	95.2	70.0	56.3	41.4
1.85V	374	298	272	248	211	186	144	120	91.6	67.4	54.2	39.8

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UPS series UPS 12460



Valve Regulated Lead Acid Battery

Maintenance-Free Sealed Lead Acid Battery.
Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99%.

General Design for Standby Power Applications

【Design Life】

Up to 5 Years in Standby Service at 25°C
Eurobat (20°C) : 3-5 YEARS STANDARD COMMERCIAL

【Operating Temperature Range】

Nominal Operating Temperature : 25°C (77°F)
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)

【Float Charging Voltage】

13.5 ~ 13.8 VDC/Unit at 25°C (77°F)

【Equalization Charging Voltage】

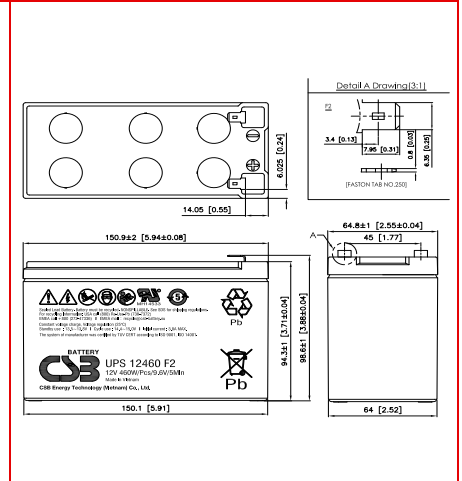
14.4 ~ 15.0 VDC/Unit at 25°C (77°F)

【Self Discharge】

Less than 10% after 90 days, can be stored up to 6 months at 25°C (77°F);
Fully recharging is required before usage, and charged sooner if stored at higher temperature than 25°C (77°F).

Specification Design according with IEC 61056-1/2:2012

Nominal Voltage	12V (6 cells per unit)	
Nominal Capacity	460W @5min-rate to 9.60V per PCS @25°C (77°F)	
Weight	Approx. 2.50 Kg (5.51 lbs)	
Maximum Discharge Current	130 A (5sec)	
Internal Resistance	Approx. 16.60 mΩ	
Short Circuit Current	450A	
Maximum Charge Current	3.8 A	
Terminal types	F2 terminal -Faston Tab 250	
Terminal tightening torque	--	
Container Material	ABS (UL 94-HB) & Flame Retardant (94-V0) available upon request	
Dimensions	Length (L)	150.9±2.0 mm 5.94±0.08 inch
	Width (W)	64.8±1.0 mm 2.55±0.04 inch
	Container Height (h)	94.3±1.0 mm 3.71±0.04 inch
	Overall Height (H)	98.6±1.0 mm 3.88±0.04 inch



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

F.V/Time	2MIN	4MIN	5MIN	6MIN	8MIN	10MIN	15MIN	20MIN	30MIN	45MIN	60MIN	90MIN
1.60V	77.2	52.7	44.9	39.7	32.3	27.3	19.9	15.9	11.6	8.37	6.65	4.80
1.67V	69.5	50.0	43.4	38.7	31.7	26.9	19.7	15.7	11.5	8.33	6.63	4.78
1.70V	66.0	48.6	42.4	37.9	31.1	26.5	19.6	15.6	11.4	8.29	6.60	4.75
1.75V	60.5	45.1	39.9	35.6	29.8	25.4	19.0	15.3	11.3	8.19	6.52	4.72
1.80V	53.8	41.1	36.5	33.0	27.8	24.0	18.2	14.7	11.0	7.98	6.38	4.62
1.85V	46.3	36.0	32.1	29.4	24.9	21.8	16.8	13.8	10.4	7.63	6.12	4.43

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

F.V/Time	2MIN	4MIN	5MIN	6MIN	8MIN	10MIN	15MIN	20MIN	30MIN	45MIN	60MIN	90MIN
1.60V	710	520	460	412	343	296	224	180	133	96.8	77.3	56.4
1.67V	673	500	444	400	338	291	221	178	132	96.3	77.0	56.2
1.70V	650	489	435	394	334	288	220	177	131	96.1	76.7	56.0
1.75V	605	462	414	378	321	280	215	175	130	95.4	76.4	55.7
1.80V	555	429	387	356	303	266	207	168	128	93.6	75.1	54.7
1.85V	486	387	355	324	276	244	189	158	122	89.6	72.2	52.8

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【Equalization Charging Voltage】

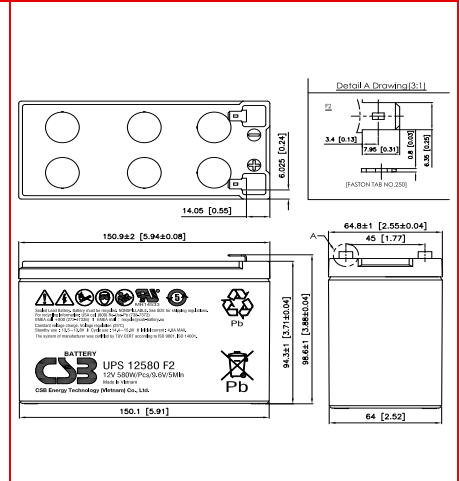
14.4 ~ 15.0 VDC/Unit at 25°C (77°F)

【Self Discharge】

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Fully recharging is required before usage, and charged sooner if stored at higher temperature than 25°C (77°F).

Specification Design according with IEC 61056-1/2:2012

Nominal Voltage	12V (6 cells per unit)		
Nominal Capacity	580W @5min-rate to 9.60V per PCS @25°C (77°F)		
Weight	Approx. 2.83 Kg (6.24 lbs)		
Maximum Discharge Current	130 A (5sec)		
Internal Resistance	Approx. 11.80 mΩ		
Short Circuit Current	575A		
Maximum Charge Current	4.8 A		
Terminal types	F2 terminal -Faston Tab 250		
Terminal tightening torque	--		
Container Material	ABS (UL 94-HB) & Flame Retardant (94-V0) available upon request		
Dimensions	Length (L)	150.9±2.0 mm	5.94±0.08 inch
	Width (W)	64.8±1.0 mm	2.55±0.04 inch
	Container Height (h)	94.3±1.0 mm	3.71±0.04 inch
	Overall Height (H)	98.6±1.0 mm	3.88±0.04 inch



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

F.V/Time	2MIN	4MIN	5MIN	6MIN	8MIN	10MIN	15MIN	20MIN	30MIN	45MIN	60MIN	90MIN
1.60V	95.1	63.4	54.1	47.2	38.5	32.3	23.0	18.3	13.2	9.42	7.42	5.31
1.67V	85.3	60.2	51.7	45.6	37.6	31.7	22.7	18.1	13.0	9.30	7.33	5.20
1.70V	81.1	58.4	50.4	44.6	37.1	31.3	22.6	18.0	12.9	9.20	7.24	5.17
1.75V	73.6	53.7	47.2	42.2	35.6	30.1	22.1	17.5	12.7	9.05	7.11	5.03
1.80V	66.1	48.8	43.2	39.3	33.2	28.4	21.1	16.9	12.4	8.82	6.92	4.91
1.85V	59.4	43.5	39.3	36.3	30.3	26.1	19.6	15.8	11.7	8.38	6.61	4.70

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

F.V/Time	2MIN	4MIN	5MIN	6MIN	8MIN	10MIN	15MIN	20MIN	30MIN	45MIN	60MIN	90MIN
1.60V	908	663	580	516	427	361	262	208	150	108	84.2	59.3
1.67V	877	643	565	504	420	356	261	206	149	107	84.0	58.9
1.70V	859	630	556	499	414	353	258	205	148	106	83.6	58.8
1.75V	808	601	538	481	402	343	254	203	147	105	83.1	58.4
1.80V	750	568	505	458	383	329	245	197	145	104	81.7	57.6
1.85V	674	514	463	424	352	305	229	186	138	99.5	78.9	55.6

Please refer to the official site for the latest rating confirmation. URL: www.csb-battery.com

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