



# UPS series UPS 12580



## Valve Regulated Lead Acid Battery

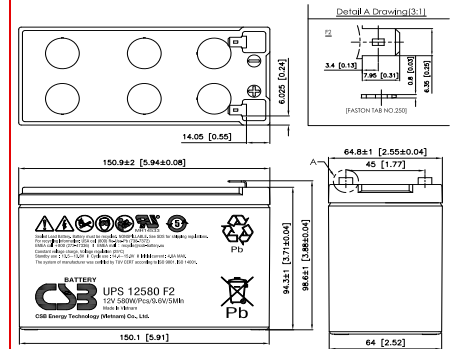
Maintenance-Free Sealed Lead Acid Battery.  
Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99%.

### General Design for Standby Power Applications

<b>【Design Life】</b> Up to 5 Years in Standby Service at 25°C Eurobat (20°C) : 3-5 YEARS STANDARD COMMERCIAL	<b>【Float Charging Voltage】</b> 13.5 ~ 13.8 VDC/Unit at 25°C (77°F)
<b>【Operating Temperature Range】</b> 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)	<b>【Equalization Charging Voltage】</b> 14.4 ~ 15.0 VDC/Unit at 25°C (77°F)
	<b>【Self Discharge】</b> 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	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

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### Sales Offices

希世比能源科技股份有限公司  
CSB Energy Technology Co., Ltd.



Recognized under UL 1989,  
and certified by ISO 9001, 14001, 45001, 50001.

#### BUSINESS HEADQUARTERS

Tel: +886-2-2880-5600  
Fax: +886-2-2888-3300

#### SHENZHEN OFFICE (CHINA)

Tel: +86-755-8831-6488/6775/6075  
Fax: +86-755-8831-6548

#### EUROPE (EMEA) OFFICE

Tel: +31(0)180-418-140  
Fax: +31(0)180-418-327

#### SHANGHAI OFFICE (CHINA)

Tel: +86-21-5046-1622/0833/0094  
Fax: +86-21-5046-1046

#### TAIPEI OFFICE

Tel: +886-2-2880-5600  
Fax: +886-2-2888-3300

#### BEIJING OFFICE (CHINA)

Tel: +86-10-6597-8065/8165/8265  
Fax: +86-10-6597-8565