Powered by

TPL series

TPL 12800 *12V 80AH*

Valve Regulated Lead Acid Battery

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

Design for Standby Power Applications

【Design Life】
Up to 12 Years in Standby Service at 25℃
Eurobat (20℃) : 10-12 years, Long Life

【 Operating Temperature Range】
Nominal Operating Temperature : 25℃(77℉)
Discharge : -15℃ ~ 50℃ (5℉~122℉)
Charge: -15℃ ~ 40℃ (5℉~104℉)
Storage: -15℃ ~ 40℃ (5℉~104℉)

【 Float Charging Voltage】
13.5 ~ 13.8 VDC/Unit at 25℃ (77℉)

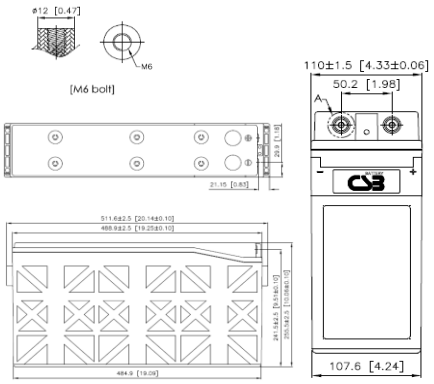
【Equalization Charging Voltage 】
14.4 ~ 15.0 VDC/Unit at 25℃ (77℉)

【 Self Discharge】
Less than 10% after 90 days, can be stored up to 6 months at 25℃ (77℉); Fully recharging is required before usage, and charged sooner if stored at higher temperature than 25℃ (77℉).

Specification

Design according with IEC 60896-21/22:2004

Nominal Voltage	12V (6 cells per unit)		
Nominal Capacity	80AH @8HR-rate to 1.75V per PCS @25℃ (77℉)		
Weight	Approx. 36.30 Kg (80.01 lbs)		
Maximum Discharge Current	800A (5sec)		
Internal Resistance	Approx. 3.80 mΩ		
Short Circuit Current	2216A		
Maximum Charge Current	24A		
Terminal types	I2 thread lead alloy terminal to accept M6 bolt		
Terminal hardware Torque	138.6 Kgf-cm / 120.3 Lbf-in / 13.58 N-m		
Container Material	Flame Retardant ABS (UL 94-V0)		
Dimensions	Length (L)	511.6±2.5 mm	20.16±0.10 inch
	Width (W)	110.0±1.5 mm	4.44±0.06 inch
	Overall Height (H)	255.5±2.5 mm	10.11±0.10 inch



Constant Current Discharge Characteristics Unit: A (25℃, 77℉)

F.V/Time	15MIN	30MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.67V	148	94.3	55.3	40.4	32.1	23.7	19.1	15.8	13.5	10.4	8.50	4.45
1.70V	140	90.8	53.6	39.3	31.5	23.4	18.8	15.6	13.3	10.2	8.40	4.40
1.75V	126	84.0	51.1	37.8	30.3	22.8	18.3	15.0	12.8	10.0	8.20	4.30
1.80V	111	77.1	48.3	36.0	29.0	22.1	17.4	14.5	12.5	9.65	8.00	4.20
1.83V	103	72.8	46.3	34.7	28.2	21.3	16.9	14.1	12.2	9.35	7.70	4.10
1.85V	97.3	70.3	44.8	33.7	27.5	20.8	16.6	13.8	11.9	9.20	7.60	4.00

Constant Power Discharge Characteristics Unit: W (25℃, 77℉)

F.V/Time	15MIN	30MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.67V	1575	1018	606	445	357	265	214	178	152	118	96.2	50.5
1.70V	1523	995	597	439	353	263	213	177	151	116	95.8	50.3
1.75V	1405	946	582	431	345	261	210	173	149	115	94.8	49.8
1.80V	1264	883	556	415	335	254	203	169	146	113	93.1	49.3
1.83V	1174	839	539	403	327	249	199	166	143	111	91.7	48.5
1.85V	1110	808	525	394	321	245	196	163	140	109	90.2	47.6

Please refer to the official site for the lastest rating confirmation. URL: www.csb-battery.com Issued: 161101

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

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