



TPL Series

TPL121500SFR Datasheet

12V Front Terminal VRLA-AGM

Specifications

Voltage (Vdc)	12
Ah Capacity (8-Hr 1.75 VPC @ 25°C)	148
Ah Capacity (20-Hr 1.75 VPC @ 25°C)	159.8
Ah Capacity (8-Hr 1.80 VPC @ 25°C)	145.6
Max Charge Current (A)	45
Max Discharge Current (A)	800
Short Circuit Current (A)	2477
Internal Resistance (mΩ)	Approx. 4.1
Terminal Type	I2 thread lead alloy terminal to accept M6 bolt
Terminal Torque	51.7±10.3 Kg·cm / 44.9±9.0 Lbf·in / 5.1±1.0 N·m
Container Material	Flame Retardant ABS (UL 94-V0)
Weight (kg. / lb., Approx.)	46.5 / 102.51
Length (L) (mm / in)	551.0±2.5 / 21.69±0.10
Width (W) (mm / in)	110.0±1.5 / 4.33±0.06
Height (H) (mm / in)	288.0±2.5 / 11.33 ± 0.10
Design Life	Up to 12 Years in Standby Service at 25°C. Eurobat (20°C): >12 Years Very Long Life
Operating Temperature	Nominal: 25°C (77°F) Discharge: -15°C - 50°C (5°F-122°F) Charge/Storage: -15°C - 40°C (5°F - 104°F)
Float Charging Voltage	13.5 - 13.8 Vdc/battery 25°C (77°F)
Eq. Charging Voltage	14.4 - 15.0 Vdc/battery 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).



Valve Regulated Lead Acid
(VRLA) Battery

Maintenance-Free, Absorbent
Glass Mat (AGM) Technology for
Efficient Gas Recombination of
up to 99%

Pure Lead Construction and
Proprietary Elements

Designed for Float Service
Standby Power Applications

Built in Accordance with IEC
60896-21/22:2004, UL1973
Listed (MH66728) and UL1989
Recognized (MH14533)

Certified by TUV NORD
according to ISO 9001:2015





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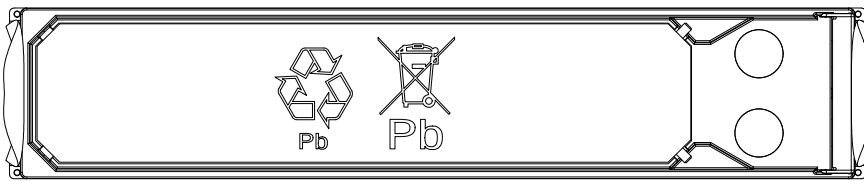
Constant Current Discharge Characteristics Per Battery: Amperes (25°C, 77°F)

F.V/Time	15MIN	30MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
10.02V (1.67 VPC)	262	176	106	76.3	60.0	42.7	33.5	27.8	23.8	18.7	15.5	8.14
10.50V (1.75 VPC)	230	162	102	75.0	59.1	42.1	33.0	27.4	23.5	18.5	15.3	7.99
10.80V (1.80 VPC)	205	150	97.1	73.1	57.5	41.1	32.3	26.8	23.1	18.2	15.1	7.92

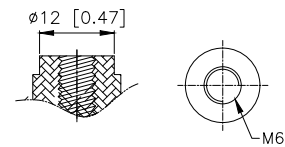
Constant Power Discharge Characteristics Per Battery: Watts (25°C, 77°F)

F.V/Time	15MIN	30MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
10.02V (1.67 VPC)	2718	1894	1182	880	695	497	392	326	281	221	185	94.1
10.50V (1.75 VPC)	2504	1782	1145	866	684	490	387	322	277	219	182	92.6
10.80V (1.80 VPC)	2287	1655	1098	840	665	479	379	317	273	216	181	91.9

Detail A Drawing(4:1)



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[M6 bolt]

