



TPL Series

TPL121250AFR Datasheet

12V Front Terminal VRLA-AGM

Specifications

Voltage (Vdc)	12
Ah Capacity (8-Hr 1.75 VPC @ 25°C)	125
Ah Capacity (20-Hr 1.75 VPC @ 25°C)	135
Ah Capacity (8-Hr 1.80 VPC @ 25°C)	121
Max Charge Current (A)	37.5
Max Discharge Current (A)	800
Short Circuit Current (A)	2327
Internal Resistance (mΩ)	Approx.4.50
Terminal Type	I2 thread lead alloy terminal to accept M6 bolt
Terminal Torque	51.7±10.3 Kgf·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.)	46.40 / 102.29
Length (L) (mm / in)	547.0±2.5 / 21.54±0.10
Width (W) (mm / in)	124.8±1.5 / 4.94±0.06
Height (H) (mm / in)	320.3±2.5 / 12.72±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)

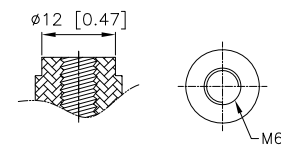
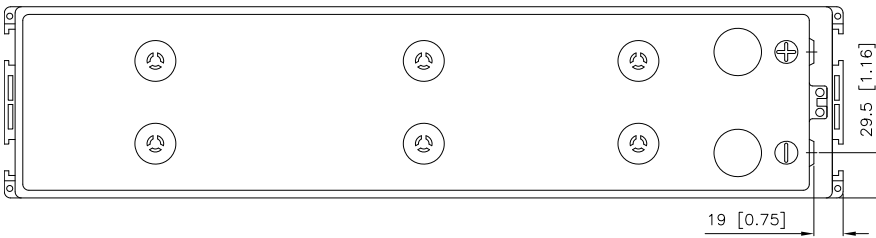
F.V/Time	15MIN	30MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
10.02V (1.67 VPC)	232	147	86.3	63.0	50.2	37.0	29.8	24.7	21.1	16.3	13.3	6.95
10.50V (1.75 VPC)	199	132	81.2	59.3	47.2	35.2	28.5	23.4	20.0	15.6	12.8	6.72
10.80V (1.80 VPC)	176	121	76.7	56.4	45.1	33.8	27.2	22.7	19.5	15.1	12.5	6.56

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)	2461	1590	946	695	557	414	335	279	238	184	150	78.9
10.50V (1.75 VPC)	2138	1456	910	681	555	407	328	270	231	180	148	77.9
10.80V (1.80 VPC)	1927	1364	876	665	549	400	317	265	228	176	145	77.0

Detail A Drawing(4:1)

I2



[M6 bolt]

