



PART NUMBER:	DATE:
PROJECT #:	TYPE:
PREPARED BY:	

6 VOLT, 12 AMP SLA BATTERY TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

Experience dependable and consistent power with the F4P F4P 0612 6 Volt, 12 AMP SLA Battery. Designed for a wide range of applications, this sealed lead acid battery ensures efficient operation with its robust 6V and 12AH capacity. Compliance with CE and RU standards, along with a sturdy ABS plastic case, makes it a reliable choice for emergency lighting, security systems, and more. Ideal for environments requiring a durable and maintenance-free power source.



FEATURES

- Nominal Voltage: 6V
- Rated Capacity: 20 hour rate 12Ah
- Weight: 3.98lbs

CHARACTERISTICS

Capacity 25°C(77°F)	20 hour rate(0.60A) 10 hour rate(1.10A) 5 hour rate(2.04A) 1 hour rate(7.20A)	12.0 AH 11.0 AH 10.2 AH 7.20 AH
	1.5 hour discharge to 5.25 V	4.8 A
Internal Resistance	Full charged Battery at 25°C(77°F)	8mΩ
Capacity affected by temperature (20 hour rate)	40°C(104°F) 25°C(77°F) 0°C(32°F) -15°C(5°F)	102% 100% 85% 65%
Self-Discharge at 25°C (77°F)	Capacity after 3 month storage Capacity after 6 month storage Capacity after 12 month storage	91% 82% 64%
Terminal	T1	
Charge (constant voltage)	Cycle	Initial charging current less than 4.8A Voltage 7.20-7.50V Time 14-16h
	Float	Voltage 6.75-6.90V

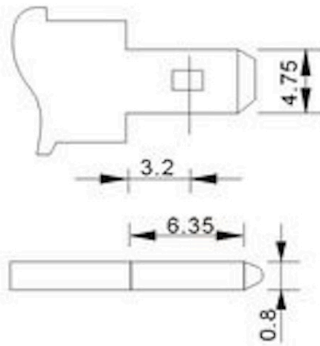
CONSTANT CURRENT (AMP) AND CONSTANT POWER (WATT) DISCHARGE TABLE (77°F)

TIME		5MIN	10MIN	15MIN	30MIN	1H	2H	3H	4H	5H	8H	10H	20H
4.80V	A	43.2	28.3	21	13.8	7.2	1.2	3.09	2.48	2.11	1.39	1.13	0.62
	W	224	152	113	74.2	38.9	23.1	17.2	14.0	12	7.96	6.55	3.60
5.10V	A	39.6	27.1	19.3	13.1	6.76	4.03	3.00	2.4	2.06	1.37	1.12	0.61
	W	213	151	108	73.5	38.2	23.2	17.4	14.0	12	7.99	6.55	3.55
5.25V	A	36.1	25.3	18	12.7	6.54	3.95	2.95	2.28	2.04	1.35	1.1	0.6
	W	198	144	103	73.1	37.9	22.9	17.2	13.3	12.0	7.94	6.53	3.55
5.40V	A	34.6	24.2	16.8	12.4	6.32	3.85	2.9	2.24	1.95	1.31	1.07	0.59
	W	194	140	96.8	71.5	36.8	22.5	17.1	13.2	11.5	7.79	6.39	3.48
5.55V	A	32.0	22.8	15.6	12.0	6.10	3.75	2.75	2.2	1.87	1.28	1.05	0.57
	W	182	132	90.8	70.2	35.9	22.2	16.3	13.1	11.1	7.66	6.34	3.45

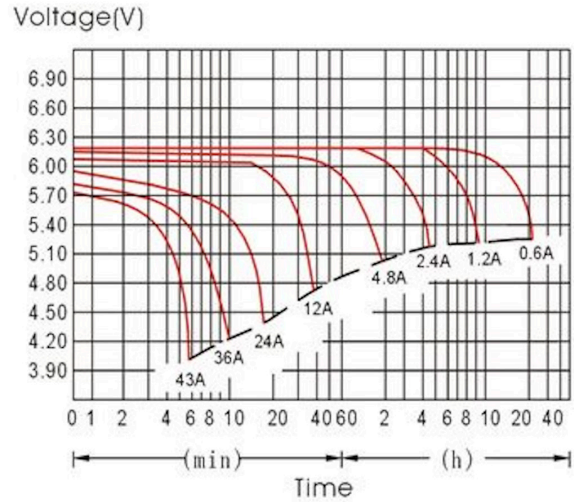


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TERMINAL TYPE (MM)



DISCHARGE CURVES (77°F)



ORDERING INFORMATION

PART NUMBER	STOCK CODE	DESCRIPTION
F4P 0612	0314-4498	6 VOLT, 12 AMP SLA BATTERY

RESOURCES

MSDS/EDS/PRODUCT DATA SHEETS: f4p-usa.com

CUSTOMER SERVICE: 772-878-4944

DISCLAIMER

Recommendations for use of this product are based on tests we believe to be reliable. Manufacturer and seller are not responsible for results where this product is used under conditions beyond our control. If when applied as directed, this material peels, cracks or separates, it will be replaced without charge upon presentation of proof of purchase and used cartridge. This limited warranty only applies to residential use and damages including consequential damage and other remedies. No other warranties apply, including fitness for a particular purpose.