



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

6 VOLT, 4.5 AMP SLA BATTERY TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

High-performance and reliability define the F4P F4P 0645 6 Volt, 4.5 Amp SLA Battery, a top choice for those in need of dependable power solutions. With its robust sealed lead acid design, this battery ensures a consistent energy supply, ideal for emergency lighting, security systems, and other critical applications. Compact dimensions and a durable ABS plastic case enhance its suitability for a wide range of environments, ensuring long-lasting functionality and safety. Essential for maintaining uninterrupted operations, the F4P 0645 is the go-to battery for quality and performance.



FEATURES

- Nominal Voltage: 6V
- Rated Capacity: 20 hour rate 4.5Ah
- Weight: 1.72lbs

CHARACTERISTICS

Capacity 25°C(77°F)	20 hour rate(0.60A)	5.40 AH
	10 hour rate(1.10A)	4.10 AH
	5 hour rate(2.04A)	3.85 AH
	1 hour rate(7.20A)	2.70 AH
	1.5 hour discharge to 5.25 V	1.8 A
Internal Resistance	Full charged Battery at 25°C(77°F)	16mΩ
Capacity affected by temperature (20 hour rate)	40°C(104°F)	102%
	25°C(77°F)	100%
	0°C(32°F)	85%
	-15°C(5°F)	65%
Self-Discharge at 25°C (77°F)	Capacity after 3 month storage	91%
	Capacity after 6 month storage	82%
	Capacity after 12 month storage	64%
Terminal	T1	
Charge (constant voltage)	Cycle	Initial charging current less than 1.8A Voltage 7.20-7.50V Time 14-16h
	Float	Voltage 6.75-6.90V

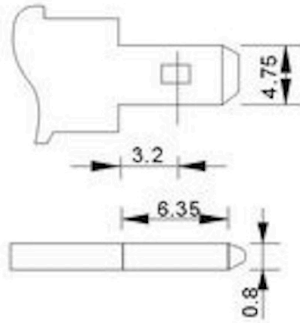
CONSTANT CURRENT (AMP) AND CONSTANT POWER (WATT) DISCHARGE TABLE (77°F)

TIME		5MIN	10MIN	15MIN	30MIN	1H	2H	3H	4H	5H	8H	10H	20H
4.80V	A	16.2	10.6	7.88	5.18	2.7	1.58	1.16	0.93	0.79	0.52	0.43	0.233
	W	84.1	57	12.2	27.8	14.6	8.65	6.45	5.23	4.49	2.99	2.46	1.352
5.10V	A	14.9	10.2	7.24	4.91	2.53	1.51	1.13	0.90	0.77	0.51	0.42	0.227
	W	79.7	56.8	40.5	27.6	14.3	8.71	6.51	5.23	4.51	2.99	2.46	1.331
5.25V	A	13.5	9.5	6.75	4.76	2.45	1.48	1.11	0.86	0.77	0.51	0.41	0.225
	W	74.2	54.0	38.5	27.4	14.2	8.59	6.45	5	4.52	2.98	2.45	1.330
5.40V	A	13.0	9.08	6.30	4.63	2.37	1.44	1.09	0.84	0.73	0.49	0.40	0.219
	W	72.9	52.3	36.3	26.8	13.8	8.45	6.41	4.96	1.32	2.92	2.40	1.306
5.55V	A	12	8.55	5.85	4.5	2.29	1.41	1.03	0.82	0.7	0.48	0.39	0.214
	W	68.1	49.5	34	26.3	13.5	8.31	6.13	4.91	4.17	2.87	2.38	1.295

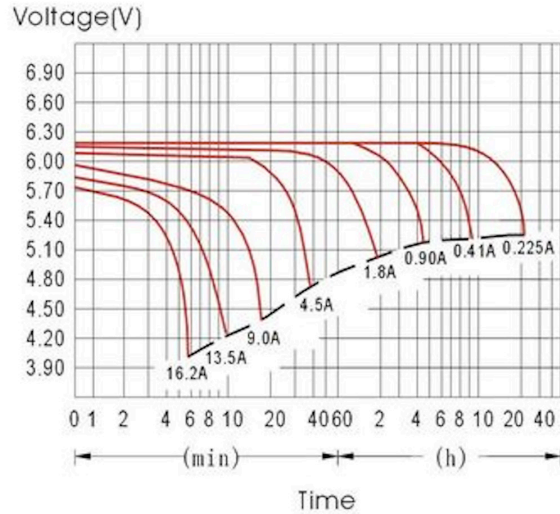


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TERMINAL TYPE (MM)



DISCHARGE CURVES (77°F)



ORDERING INFORMATION

PART NUMBER	STOCK CODE	DESCRIPTION
F4P 0645	0287-1591	6 VOLT, 4.5 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.