EP12-40M6 12 V 40Ah



Specification

Nomial Voltage	12V
Nomial Capacity(10HR)	40.0 AH
Dimension	Length 196 ±2mm (7.72 inches) Width 165 ± 2mm (6.50inches) Container Height 175 ± 2mm (6.89inches) Total Height (with Terminal) 182 ± 2mm (7.17 inches)
Approx Weight	Approx 11.8 kg (26.01lbs)
Terminal	T6 / T12
Container Material	ABS
Rated Capacity	42.5 AH/ 2.215 A (20hr,1.80V/cell,25 /77) 40.0 AH/ 4.0A (10hr,1.80V/cell,25 /77) 32.7 AH/6.55A (5hr,1.75V/cell,25 /77) 29.7 AH/9.89A (3hr,1.75V/cell,25 /77) 23.2 AH/23.2A (1hr,1.60V/cell,25 /77)
Max. Discharge Current	456A (5s)
Internal Resistance	Approx 10 mΩ
Operating Temp.Range	Discharge : -15～50 (5 ～122˚) Charge : 0 ～40 (32 ～104) Storage : -15～40 (5 ～104)
Nominal Operating Temp. Range	25±3 (77 ±5)
Cycle Use	Initial Charging Current less than 11.4 A.Voltage 14.4V~15.0V at 25 (77)Temp. Coefficient -30mV/
Standby Use	No limit on Initial Charging Current Voltage 13.5V~13.8V at 25 (77)Temp. Coefficient -20mV/
Capacity affected by Temperature	40 (104) 103% 25 (77) 100% 0 (32) 86%
Self Discharge	JYC GP series batterys may be stored for up to 6 months at 25 (77) and then a freshening charge is required. For higher temperatures the time interval will be shorter.

Applications

- All purpose
- Uninterruptable Power Supply (UPS)
- Electric Power System (EPS)
- Emergency backup power supply
- Emergency light
- Railway signal
- Aircraft signal
- Alarm and security system
- Electronic apparatus and equipment
- Communication power supply
- DC power supply
- Auto controlsystem

ISO 9001 | ISO 14001 | OHSAS 18001 | TLC | CE | RoHS

Constant Current Discharge (Amperes) at 25 ˚ (77˚)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	65.0	51.1	43.5	36.4	28.9	21.9	17.9	11.4	9.02	7.37	5.94	5.17	4.20	3.59	1.96
1.80V/cell	87.3	65.3	52.5	43.0	34.1	25.4	20.1	12.5	9.71	7.87	6.38	5.55	4.45	3.80	1.98
1.75V/cell	98.4	71.8	57.4	46.2	35.4	26.4	21.0	12.9	9.89	8.04	6.54	5.70	4.53	3.84	2.00
1.70V/cell	108.4	78.2	61.3	48.6	36.9	27.5	21.7	13.4	10.2	8.26	6.71	5.82	4.59	3.88	2.03
1.65V/cell	119.5	84.4	65.1	51.6	38.9	28.1	22.4	13.8	10.6	8.54	6.90	5.95	4.67	3.96	2.06
1.60V/cell	131.8	91.7	69.7	55.0	41.0	29.3	23.2	14.3	10.9	8.81	7.13	6.08	4.71	4.00	2.07

Constant Power Discharge (Watts) at 25 ˚ (77˚)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	118.9	94.5	81.1	68.6	55.1	42.1	34.6	22.2	17.6	14.4	11.6	10.2	8.29	7.10	3.88
1.80V/cell	157.9	119.3	96.7	79.9	64.0	48.5	38.5	24.0	18.8	15.3	12.4	10.9	8.77	7.51	3.91
1.75V/cell	174.3	128.9	104.3	85.1	65.9	49.9	40.1	24.8	19.1	15.6	12.7	11.1	8.90	7.57	3.94
1.70V/cell	186.6	137.4	109.9	88.7	68.2	51.7	41.2	25.8	19.6	16.0	13.0	11.3	9.01	7.64	4.01
1.65V/cell	202.8	146.9	115.9	93.6	71.4	52.5	42.3	26.3	20.3	16.5	13.3	11.6	9.13	7.79	4.06
1.60V/cell	218.5	155.8	121.9	98.6	74.8	54.4	43.6	27.1	20.9	16.9	13.7	11.8	9.20	7.86	4.08

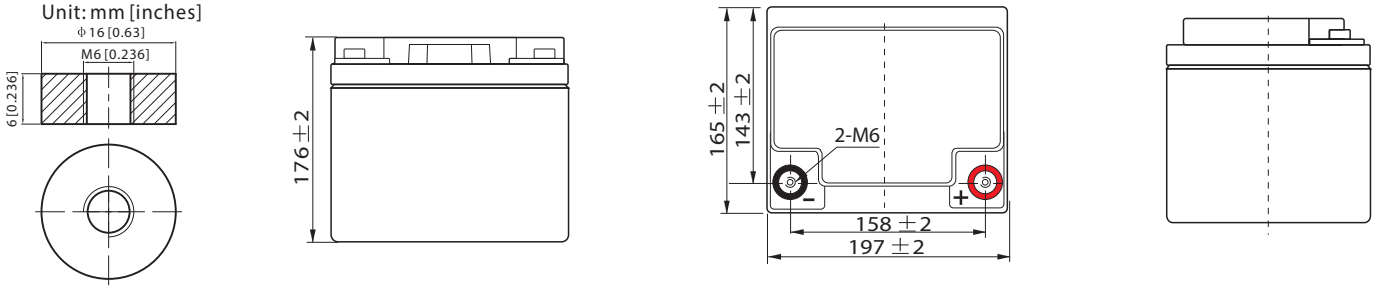
Note The above data are average values, and can be obtained with 3 charge/discharge cycles. These are not minimum values.

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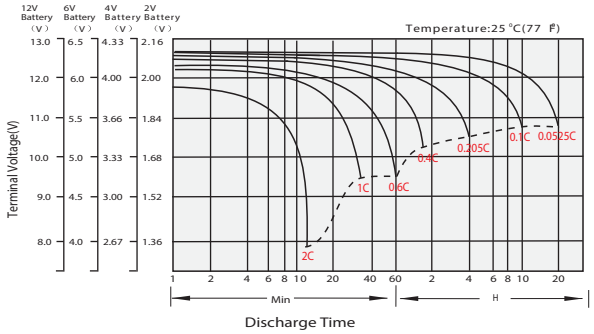
Dimensions

T6 Terminal

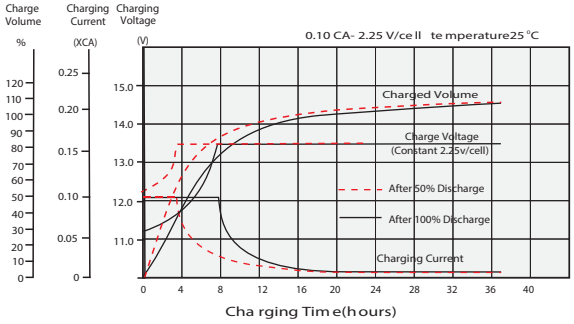
Unit: mm [inches]

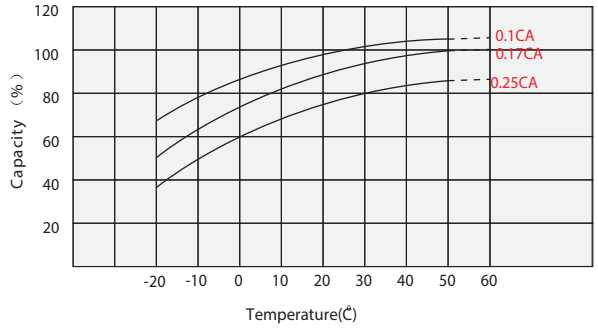


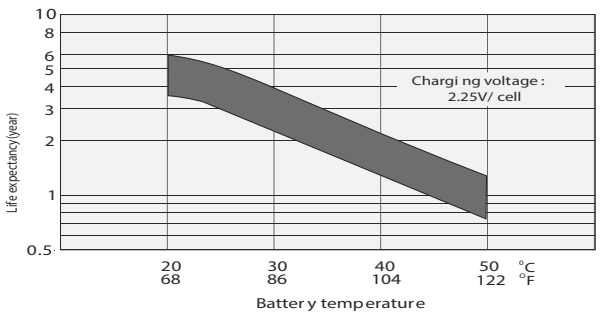
Discharge Characteristics

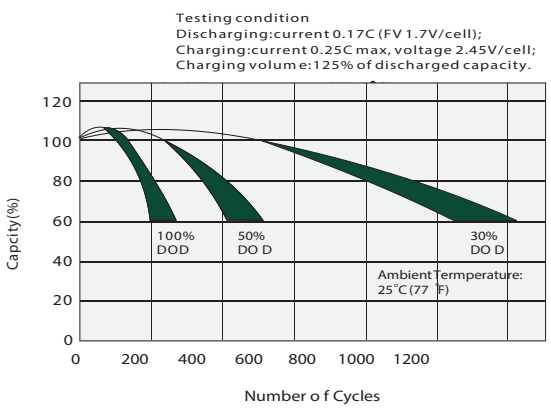


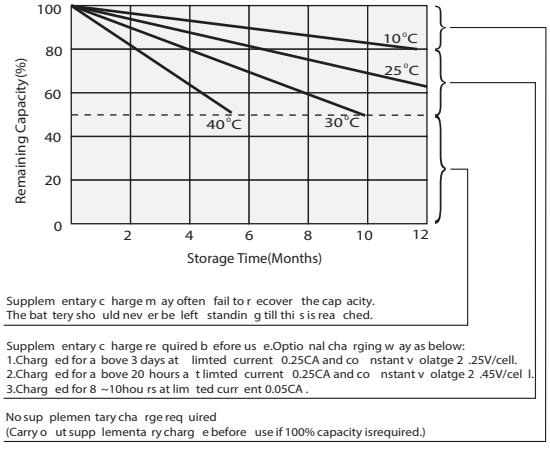
Float Charging Characteristics











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