PRODUCT SERIES

VRLA BATTERY

SP645 6V4.5AH

SP SERIES-VRLA Battery

Specification

Nomial Voltage	6 V
Nomial Capacity(20HR)	4.5AH
Dimension	Length 70±1mm (2.76 inches) Width 47±1mm (1.85 inches) Container Height 100±2mm (3.94 inches) Total Height (with Terminal) 106±2mm (4.17 inches)
Approx Weight	Approx 0.745 kg (1.642 lbs)
Terminal	T1
Container Material	ABS
Rated Capacity	4.50 AH/0.225A (20hr ,1.80V/cell,25℃/77℉) 4.19 AH/0.419A (10hr,1.80V/cell,25℃/77℉) 3.85 AH/0.77A (5hr,1.75V/cell,25℃/77℉) 3.45 AH/1.15A (3hr,1.75V/cell,25℃/77℉) 2.65 AH/2.65A (1hr,1.60V/cell,25℃/77℉)
Max. Discharge Current	67.5A (5s)
Internal Resistance	Approx 25 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 than1.35 A.Voltage 7.2V~7.5V at 25 ℃(77℉)Temp. Coefficient -30mV/℃
Standby Use	No limit on Initial Charging Current Voltage 6.75V~6.9V at 25℃(77℉)Temp. Coefficient -10mV/℃
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

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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	8.57	6.58	5.45	4.71	3.64	2.68	2.26	1.34	1.05	0.85	0.69	0.60	0.486	0.406	0.223
1.80V/cell	11.5	8.41	6.59	5.57	4.30	3.12	2.53	1.46	1.13	0.91	0.75	0.65	0.515	0.419	0.225
1.75V/cell	13.0	9.24	7.19	5.99	4.46	3.24	2.65	1.51	1.15	0.93	0.77	0.66	0.524	0.430	0.227
1.70V/cell	14.3	10.1	7.68	6.30	4.65	3.37	2.74	1.55	1.18	0.95	0.78	0.68	0.532	0.438	0.231
1.65V/cell	15.7	10.9	8.17	6.69	4.90	3.45	2.80	1.58	1.23	0.99	0.81	0.69	0.540	0.447	0.234
1.60V/cell	17.4	11.8	8.73	7.13	5.18	3.60	2.83	1.64	1.27	1.02	0.83	0.71	0.545	0.452	0.236

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	15.7	12.2	10.2	8.88	6.95	5.16	4.37	2.60	2.04	1.66	1.36	1.18	0.959	0.803	0.441
1.80V/cell	20.8	15.4	12.1	10.3	8.07	5.96	4.86	2.82	2.18	1.77	1.45	1.27	1.014	0.827	0.445
1.75V/cell	23.0	16.6	13.1	11.0	8.31	6.12	5.06	2.91	2.22	1.80	1.49	1.30	1.030	0.848	0.449
1.70V/cell	24.6	17.7	13.8	11.5	8.60	6.34	5.21	2.98	2.27	1.85	1.52	1.32	1.043	0.864	0.457
1.65V/cell	26.7	18.9	14.5	12.1	9.00	6.44	5.29	3.00	2.36	1.90	1.56	1.35	1.057	0.881	0.462
1.60V/cell	28.8	20.1	15.3	12.8	9.43	6.68	5.31	3.12	2.42	1.96	1.61	1.37	1.065	0.889	0.464

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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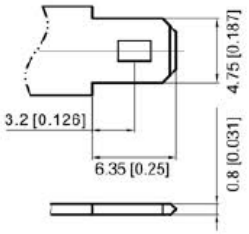
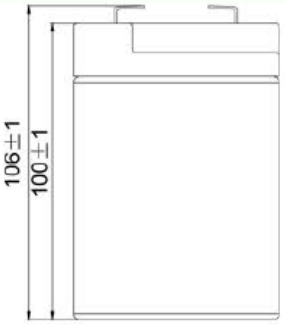
SP645 6V4.5AH

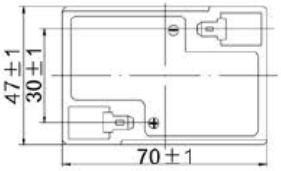
SP SERIES-VRLA Battery

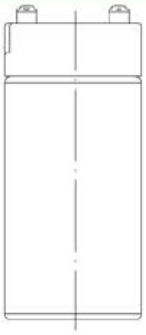
Dimensions

■ T1 Terminal
Unit: mm [inches]

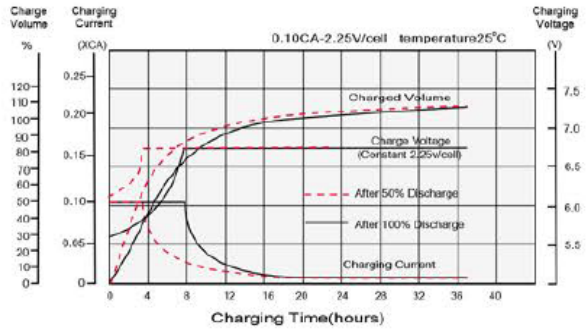




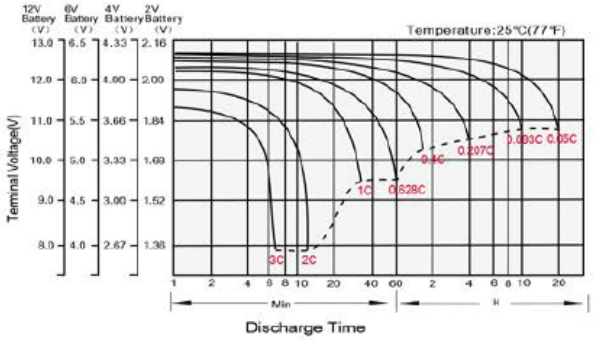




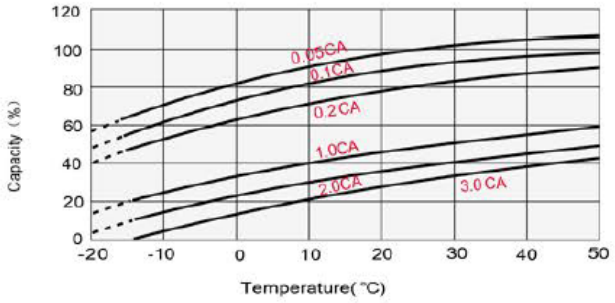
Float Charging Characteristics



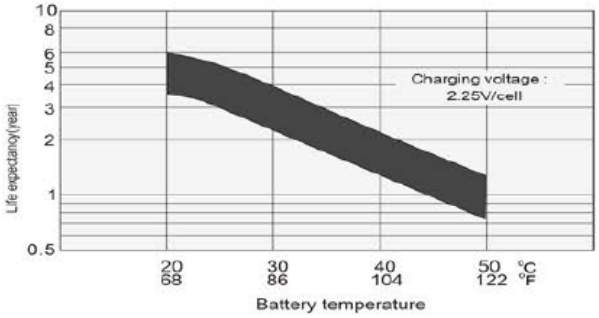
Discharge Characteristics



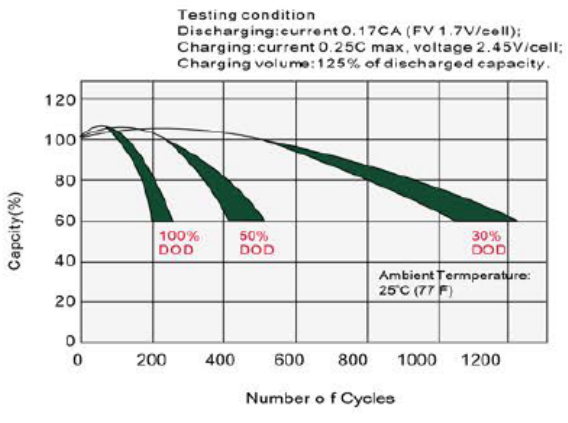
Temperature Effects in Relation to Battery Capacity



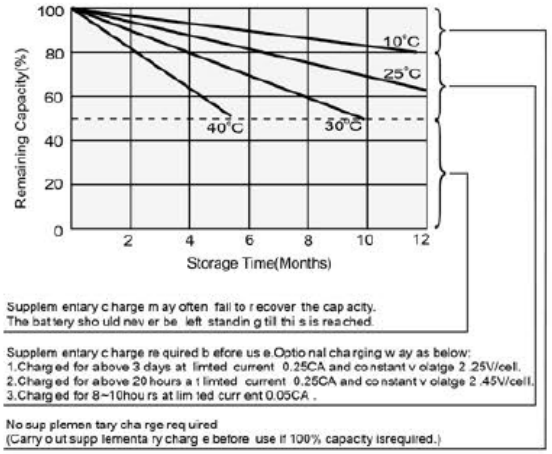
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics



SP1272 12V7.2AH

SP SERIES-VRLA Battery

Specification

Nomial Voltage	12V	
Nomial Capacity(20HR)	7.0AH	
Dimension	Length	151±1mm (5.95 inches)
	Width	65±1mm (2.56 inches)
	Container Height	94.5±1mm (3.72 inches)
	Total Height (with Terminal)	100±1mm (3.94 inches)
Approx Weight	Approx 2.1 kg (4.85lbs)	
Terminal	T1 / T2	
Container Material	ABS	
Rated Capacity	7.00 AH/0.350A	(20hr ,1.80V/cell,25℃/77℉)
	6.51 AH/0.651A	(10hr,1.80V/cell,25℃/77℉)
	5.95 AH/1.19A	(5hr,1.75V/cell,25℃/77℉)
	5.37 AH/1.79A	(3hr,1.75V/cell,25℃/77℉)
	4.40 AH/4.40A	(1hr,1.60V/cell,25℃/77℉)
Max. Discharge Current	105A (5s)	
Internal Resistance	Approx 23mΩ	
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 than2.1A.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

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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	13.3	10.2	8.48	7.33	5.67	4.18	3.52	2.08	1.63	1.32	1.08	0.94	0.756	0.631	0.347
1.80V/cell	17.9	13.1	10.2	8.67	6.69	4.86	3.94	2.27	1.75	1.41	1.16	1.01	0.802	0.651	0.350
1.75V/cell	20.2	14.4	11.2	9.32	6.94	5.04	4.13	2.36	1.79	1.45	1.19	1.03	0.816	0.669	0.354
1.70V/cell	22.2	15.7	11.9	9.80	7.23	5.24	4.26	2.42	1.83	1.48	1.22	1.05	0.827	0.682	0.360
1.65V/cell	24.5	16.9	12.7	10.4	7.63	5.37	4.35	2.45	1.91	1.54	1.25	1.08	0.840	0.696	0.365
1.60V/cell	27.0	18.4	13.6	11.1	8.05	5.60	4.40	2.56	1.97	1.58	1.30	1.10	0.848	0.704	0.367

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	24.4	18.9	15.8	13.8	10.8	8.03	6.79	4.04	3.18	2.59	2.12	1.84	1.492	1.250	0.686
1.80V/cell	32.4	23.9	18.9	16.1	12.6	9.26	7.57	4.38	3.40	2.75	2.26	1.97	1.578	1.286	0.692
1.75V/cell	35.7	25.8	20.3	17.2	12.9	9.52	7.88	4.53	3.45	2.80	2.31	2.02	1.602	1.319	0.698
1.70V/cell	38.2	27.5	21.4	17.9	13.4	9.86	8.10	4.63	3.54	2.87	2.37	2.05	1.622	1.345	0.710
1.65V/cell	41.6	29.4	22.6	18.9	14.0	10.0	8.23	4.67	3.67	2.96	2.43	2.09	1.644	1.370	0.719
1.60V/cell	44.8	31.2	23.8	19.9	14.7	10.4	8.26	4.85	3.76	3.04	2.50	2.13	1.656	1.383	0.722

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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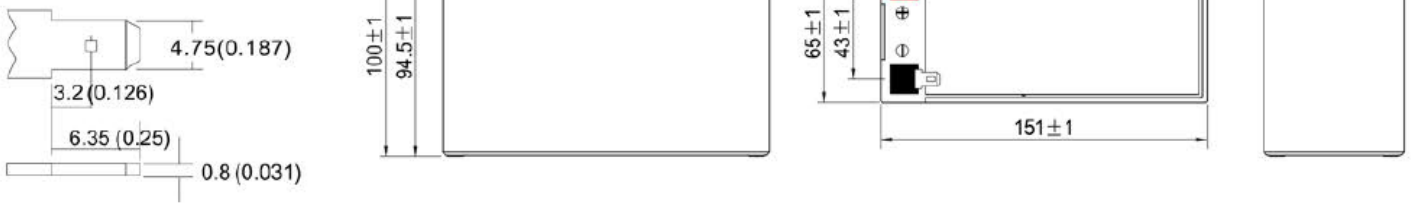
SP1272 12V7.2AH

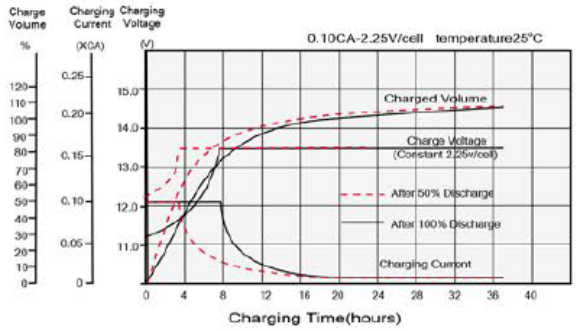
SP SERIES-VRLA Battery

Dimensions

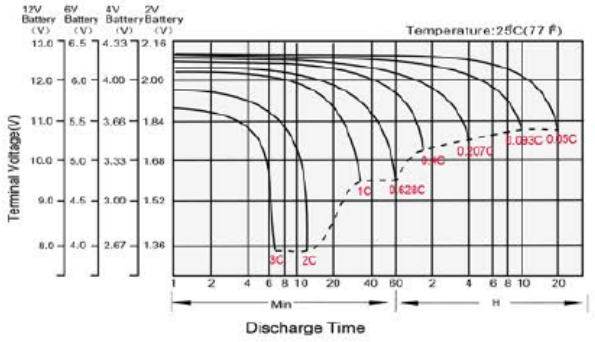
■ T1 Terminal
Unit: mm [inches]



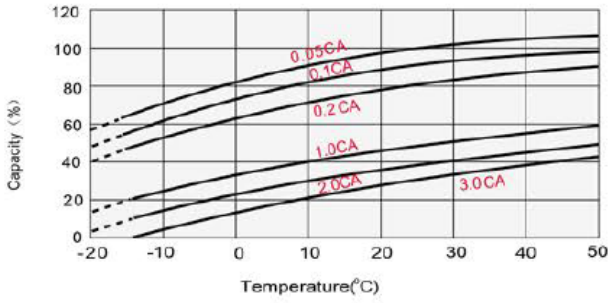
Float Charging Characteristics



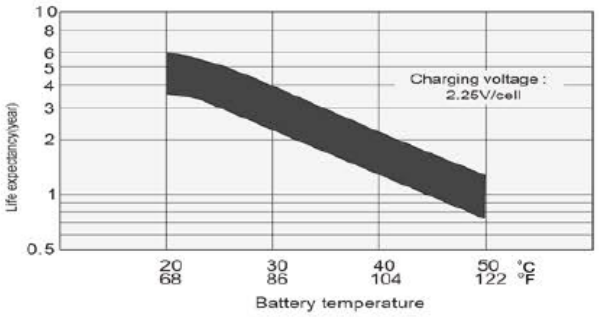
Discharge Characteristics



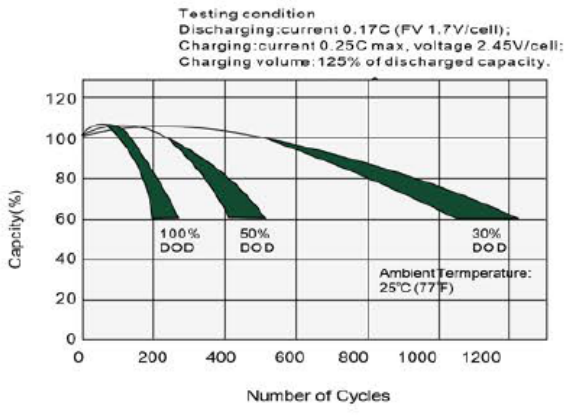
Temperature Effects in Relation to Battery Capacity



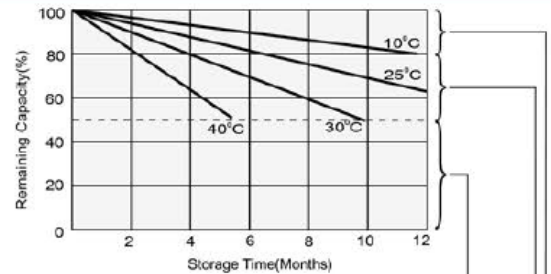
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics



Supplementary charge may often fail to recover the capacity.
The battery should never be left standing till this is reached.

Supplementary charge required before use.Optional charging way as below:
1.Charged for above 3 days at limted current 0.25CA and constant voltage 2.25V/cell.
2.Charged for above 20 hours at limted current 0.25CA and constant voltage 2.45V/cell.
3.Charged for 8~10hours at limited current 0.05CA .

No supplementary charge required
(Carry out supplementary charge before use if 100% capacity isrequired.)

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SP12120 12V12AH

SP SERIES-VRLA Battery

Specification

Nomial Voltage	12V	
Nomial Capacity(20HR)	12.0AH	
Dimension	Length	151±1mm (5.95 inches)
	Width	98±1mm (3.86 inches)
	Container Height	95±1mm (3.74 inches)
	Total Height (with Terminal)	101±1mm (3.98 inches)
Approx Weight	Approx 3.5 kg (7.7lbs)	
Terminal	T1 / T2	
Container Material	ABS	
Rated Capacity	12.0 AH/0.60A	(20hr ,1.80V/cell,25℃/77℉)
	11.2 AH/1.12A	(10hr,1.80V/cell,25℃/77℉)
	10.2 AH/2.04A	(5hr,1.75V/cell,25℃/77℉)
	9.2 AH/3.06A	(3hr,1.75V/cell,25℃/77℉)
	7.54AH/7.54A	(1hr,1.60V/cell,25℃/77℉)
Max. Discharge Current	180A (5s)	
Internal Resistance	Approx 17mΩ	
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 3.6 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 | PV Battery

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	22.9	17.5	14.5	12.6	9.72	7.16	6.03	3.57	2.79	2.27	1.85	1.61	1.30	1.08	0.594
1.80V/cell	30.7	22.4	17.6	14.9	11.5	8.33	6.76	3.90	3.00	2.42	1.99	1.72	1.37	1.12	0.600
1.75V/cell	34.6	24.6	19.2	16.0	11.9	8.64	7.07	4.04	3.06	2.48	2.04	1.77	1.40	1.15	0.606
1.70V/cell	38.1	26.9	20.5	16.8	12.4	8.99	7.29	4.14	3.15	2.54	2.09	1.81	1.42	1.17	0.617
1.65V/cell	42.0	29.0	21.8	17.8	13.1	9.21	7.46	4.20	3.28	2.63	2.15	1.85	1.44	1.19	0.625
1.60V/cell	46.3	31.5	23.3	19.0	13.8	9.60	7.54	4.38	3.38	2.71	2.22	1.89	1.45	1.21	0.629

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	41.8	32.4	27.1	23.7	18.5	13.8	11.6	6.93	5.44	4.44	3.63	3.16	2.56	2.14	1.18
1.80V/cell	55.5	40.9	32.3	27.6	21.5	15.9	13.0	7.51	5.82	4.71	3.88	3.37	2.71	2.21	1.19
1.75V/cell	61.2	44.3	34.9	29.4	22.2	16.3	13.5	7.76	5.91	4.80	3.97	3.46	2.75	2.26	1.20
1.70V/cell	65.6	47.1	36.7	30.7	22.9	16.9	13.9	7.94	6.06	4.92	4.06	3.52	2.78	2.31	1.22
1.65V/cell	71.3	50.4	38.7	32.3	24.0	17.2	14.1	8.01	6.29	5.07	4.16	3.59	2.82	2.35	1.23
1.60V/cell	76.8	53.5	40.8	34.1	25.2	17.8	14.2	8.31	6.45	5.21	4.28	3.65	2.84	2.37	1.24

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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SP12170 12V26AH

SP SERIES-VRLA Battery

Specification

Nomial Voltage	12V	
Nomial Capacity(20HR)	17.0AH	
Dimension	Length	181±1mm (7.14 inches)
	Width	76±1mm (3.03 inches)
	Container Height	167±1mm (6.59 inches)
	Total Height (with Terminal)	167±1mm (6.59 inches)
Approx Weight	Approx 5.4 kg (11.9 lbs)	
Terminal	T3	
Container Material	ABS	
Rated Capacity	17.0 AH/0.85A	(20hr ,1.80V/cell,25°C/77°F)
	15.7 AH/1.57A	(10hr,1.80V/cell,25°C/77°F)
	14.4 AH/2.88A	(5hr,1.75V/cell,25°C/77°F)
	13.0 AH/4.33A	(3hr,1.75V/cell,25°C/77°F)
	10.6 AH/10.6A	(1hr,1.60V/cell,25°C/77°F)
Max. Discharge Current	255A (5s)	
Internal Resistance	Approx 16mΩ	
Operating Temp.Range	Discharge : -15~50°C (5~122°F)	
	Charge : 0~40°C (32~104°F)	
	Storage : -15~40°C (5~104°F)	
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Cycle Use	Initial Charging Current less than 5.1 A.Voltage 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C	
Standby Use	No limit on Initial Charging Current Voltage 13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/°C	
Capacity affected by Temperature	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	JYC GP series batterys may be stored for up to 6 months at 25°C(77°F) 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

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Constant Current Discharge (Amperes) at 25 °C (77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	34.3	26.3	21.8	18.9	14.6	10.7	9.05	5.35	4.19	3.41	2.78	2.41	1.94	1.62	0.89
1.80V/cell	46.0	33.6	26.3	22.3	17.2	12.5	10.1	5.84	4.51	3.64	2.98	2.58	2.06	1.67	0.90
1.75V/cell	51.9	37.0	28.8	24.0	17.9	13.0	10.6	6.06	4.59	3.72	3.06	2.66	2.10	1.72	0.91
1.70V/cell	57.1	40.3	30.7	25.2	18.6	13.5	10.9	6.21	4.72	3.82	3.14	2.71	2.13	1.75	0.93
1.65V/cell	63.0	43.5	32.7	26.8	19.6	13.8	11.2	6.30	4.92	3.95	3.22	2.77	2.16	1.79	0.94
1.60V/cell	69.5	47.2	34.9	28.5	20.7	14.4	11.3	6.57	5.07	4.07	3.33	2.83	2.18	1.81	0.95

Constant Power Discharge (Watts) at 25 °C (77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	62.7	48.6	40.7	35.5	27.8	20.6	17.5	10.4	8.16	6.66	5.45	4.74	3.84	3.21	1.77
1.80V/cell	83.2	61.4	48.5	41.4	32.3	23.8	19.5	11.3	8.74	7.07	5.82	5.06	4.06	3.31	1.78
1.75V/cell	91.8	66.4	52.3	44.1	33.2	24.5	20.3	11.6	8.86	7.20	5.95	5.18	4.12	3.39	1.80
1.70V/cell	98.3	70.7	55.1	46.0	34.4	25.4	20.8	11.9	9.09	7.38	6.09	5.28	4.17	3.46	1.83
1.65V/cell	106.9	75.6	58.1	48.5	36.0	25.8	21.2	12.0	9.44	7.61	6.24	5.38	4.23	3.52	1.85
1.60V/cell	115.2	80.2	61.1	51.1	37.7	26.7	21.3	12.5	9.68	7.82	6.42	5.48	4.26	3.56	1.86

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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SP12260 12V26AH

SP SERIES-VRLA Battery

Specification

Nomial Voltage	12V	
Nomial Capacity(20HR)	26.0AH	
Dimension	Length	166.5±1mm (6.56 inches)
	Width	175±1mm (6.89 inches)
	Container Height	125±1mm (4.92 inches)
	Total Height (with Terminal)	125±1mm (4.92 inches)
Approx Weight	Approx 7.2 kg (15.88 lbs)	
Terminal	T3 / T12	
Container Material	ABS	
Rated Capacity	26.0 AH/1.30A	(20hr ,1.80V/cell,25℃/77℉)
	22.1 AH/2.21A	(10hr,1.80V/cell,25℃/77℉)
	20.2 AH/4.04A	(5hr,1.75V/cell,25℃/77℉)
	18.2 AH/6.06A	(3hr,1.75V/cell,25℃/77℉)
	15.0 AH/15.0A	(1hr,1.60V/cell,25℃/77℉)
Max. Discharge Current	360A (5s)	
Internal Resistance	Approx 15mΩ	
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 7.8 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

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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	45.7	35.1	29.1	25.1	19.4	14.32	12.07	7.14	5.58	4.54	3.70	3.21	2.59	2.16	1.19
1.80V/cell	61.3	44.8	35.1	29.7	22.9	16.7	13.52	7.79	6.01	4.85	3.97	3.45	2.75	2.23	1.20
1.75V/cell	69.2	49.3	38.4	32.0	23.8	17.3	14.14	8.08	6.12	4.96	4.08	3.54	2.80	2.29	1.21
1.70V/cell	76.2	53.7	41.0	33.6	24.8	18.0	14.59	8.28	6.29	5.09	4.18	3.61	2.84	2.34	1.23
1.65V/cell	84.0	58.0	43.6	35.7	26.1	18.4	14.93	8.40	6.56	5.26	4.30	3.69	2.88	2.39	1.25
1.60V/cell	92.6	62.9	46.6	38.0	27.6	19.2	15.07	8.76	6.76	5.43	4.44	3.77	2.91	2.41	1.26

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	83.6	64.8	54.3	47.4	37.0	27.5	23.3	13.9	10.9	8.88	7.26	6.32	5.12	4.28	2.35
1.80V/cell	111.0	81.9	64.7	55.2	43.0	31.8	25.9	15.0	11.6	9.43	7.76	6.75	5.41	4.41	2.37
1.75V/cell	122.5	88.5	69.8	58.8	44.3	32.6	27.0	15.5	11.8	9.60	7.93	6.91	5.49	4.52	2.39
1.70V/cell	131.1	94.3	73.4	61.3	45.9	33.8	27.8	15.9	12.1	9.84	8.12	7.04	5.56	4.61	2.44
1.65V/cell	142.5	100.8	77.5	64.7	48.0	34.4	28.2	16.0	12.6	10.1	8.32	7.18	5.64	4.70	2.47
1.60V/cell	153.6	107.0	81.5	68.1	50.3	35.6	28.3	16.6	12.9	10.4	8.56	7.31	5.68	4.74	2.48

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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SP12400 12V40AH

SP SERIES-VRLA Battery

Specification

Nomial Voltage	12V	
Nomial Capacity(10HR)	40.0AH	
Dimension	Length	197±2mm (7.76 inches)
	Width	165±2mm (6.50 inches)
	Container Height	176±2mm (6.92 inches)
	Total Height (with Terminal)	176±2mm (6.92 inches)
Approx Weight	Approx 12.2 kg (26.89 lbs)	
Terminal	T6 / T12	
Container Material	ABS	
Rated Capacity	42.5 AH/2.215A	(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

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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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SP12650 12V65AH

SP SERIES-VRLA Battery

Specification

Nomial Voltage	12V	
Nomial Capacity(10HR)	65.0AH	
Dimension	Length	348±3mm (13.70 inches)
	Width	167±2mm (6.57 inches)
	Container Height	178±2mm (7.01 inches)
	Total Height (with Terminal)	178±2mm (7.01 inches)
Approx Weight	Approx 14.3 kg (31.52 lbs)	
Terminal	T6 / T10	
Container Material	ABS	
Rated Capacity	67.6 AH/3.38A	(20hr ,1.80V/cell,25℃/77℉)
	65.0 AH/6.50A	(10hr,1.80V/cell,25℃/77℉)
	56.0 AH/11.2A	(5hr,1.75V/cell,25℃/77℉)
	50.7 AH/16.9A	(3hr,1.75V/cell,25℃/77℉)
	39.7 AH/39.7A	(1hr,1.60V/cell,25℃/77℉)
Max. Discharge Current	780A (5s)	
Internal Resistance	Approx 7.3 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 19.5 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

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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	1112	87.5	74.4	62.2	49.4	37.4	30.6	19.5	15.4	12.6	10.2	8.85	7.18	6.14	3.35
1.80V/cell	149.3	111.8	89.9	73.5	58.3	43.5	34.3	21.3	16.6	13.5	10.9	9.49	7.62	6.50	3.38
1.75V/cell	168.4	122.8	98.2	79.1	60.6	45.2	35.9	22.1	16.9	13.8	11.2	9.75	7.75	6.57	3.41
1.70V/cell	185.4	133.8	104.8	83.1	63.0	47.0	37.0	23.0	17.4	14.1	11.5	9.95	7.86	6.63	3.48
1.65V/cell	204.5	144.4	111.4	88.3	66.5	48.1	38.3	23.6	18.1	14.6	11.8	10.2	7.98	6.77	3.52
1.60V/cell	225.5	156.8	119.2	94.1	70.2	50.2	39.7	24.4	18.7	15.1	12.2	10.4	8.06	6.84	3.54

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	203.4	161.6	138.8	117.3	94.2	71.9	59.1	37.9	30.1	24.6	19.9	17.4	14.2	12.1	6.63
1.80V/cell	270.1	204.0	165.4	136.6	109.5	83.0	65.9	41.1	32.2	26.2	21.3	18.6	15.0	12.8	6.69
1.75V/cell	298.1	220.6	178.5	145.5	112.7	85.3	68.6	42.5	32.7	26.7	21.8	19.0	15.2	13.0	6.74
1.70V/cell	319.1	235.0	187.9	151.8	116.7	88.4	70.5	44.1	33.5	27.3	22.3	19.4	15.4	13.1	6.87
1.65V/cell	346.9	251.2	198.3	160.1	122.1	89.8	72.4	45.0	34.8	28.2	22.8	19.8	15.6	13.3	6.95
1.60V/cell	373.8	266.5	208.5	168.6	128.0	93.1	74.5	46.3	35.7	28.9	23.5	20.1	15.7	13.4	6.98

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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SP121000 12V100AH

SP SERIES-VRLA Battery

Specification

Nomial Voltage	12V	
Nomial Capacity(10HR)	100AH	
Dimension	Length	330±3mm (12.99 inches)
	Width	173±2mm (6.81 inches)
	Container Height	212±2mm (8.35 inches)
	Total Height (with Terminal)	220±2mm (8.66 inches)
Approx Weight	Approx 28.5 kg (62.8lbs)	
Terminal	T11/T10	
Container Material	ABS	
Rated Capacity	104.0 AH/5.20A	(20hr,1.80V/cell,25℃/77℉)
	100.0 AH/10.0A	(10hr,1.80V/cell,25℃/77℉)
	86.0 AH/17.2A	(5hr,1.75V/cell,25℃/77℉)
	78.0 AH/26.0A	(3hr,1.75V/cell,25℃/77℉)
	61.0 AH/61.0A	(1hr,1.60V/cell,25℃/77℉)
Max. Discharge Current	1200A (5s)	
Internal Resistance	Approx 4.8mΩ	
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 than30.0A.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

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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	171.2	134.6	114.4	95.7	76.1	57.6	47.1	30.0	23.7	19.4	15.6	13.6	11.0	9.44	5.15
1.80V/cell	229.7	171.9	138.3	113.1	89.8	67.0	52.8	32.8	25.6	20.7	16.8	14.6	11.7	10.0	5.20
1.75V/cell	259.0	188.9	151.0	121.7	93.2	69.5	55.3	34.0	26.0	21.2	17.2	15.0	11.9	10.1	5.25
1.70V/cell	285.2	205.9	161.2	127.9	97.0	72.3	57.0	35.3	26.8	21.7	17.7	15.3	12.1	10.2	5.35
1.65V/cell	314.5	222.2	171.4	135.9	102.3	74.1	58.9	36.3	27.9	22.5	18.1	15.6	12.3	10.4	5.42
1.60V/cell	346.9	241.3	183.4	144.8	108.0	77.2	61.0	37.6	28.7	23.2	18.7	16.0	12.4	10.5	5.45

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	312.9	248.6	213.5	180.4	145.0	110.7	90.9	58.3	46.3	37.9	30.6	26.8	21.8	18.7	10.2
1.80V/cell	415.6	313.9	254.5	210.1	168.5	127.7	101.3	63.2	49.5	40.3	32.8	28.6	23.1	19.8	10.3
1.75V/cell	458.6	339.3	274.6	223.9	173.5	131.3	105.5	65.3	50.2	41.0	33.5	29.3	23.4	19.9	10.4
1.70V/cell	491.0	361.5	289.1	233.5	179.5	136.0	108.5	67.8	51.5	42.0	34.3	29.8	23.7	20.1	10.6
1.65V/cell	533.7	386.5	305.0	246.2	187.8	138.1	111.3	69.3	53.5	43.3	35.1	30.4	24.0	20.5	10.7
1.60V/cell	575.1	410.1	320.8	259.4	196.9	143.2	114.7	71.2	54.9	44.5	36.2	31.0	24.2	20.7	10.8

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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SP121200 12V120AH

SP SERIES-VRLA Battery

Specification

Nomial Voltage	12V
Nomial Capacity(10HR)	120AH
Dimension	Length 407±3mm (16.0 inches) Width 173±2mm (6.81 inches) Container Height 208±2mm (8.18 inches) Total Height (with Terminal) 233±2mm (9.17 inches)
Approx Weight	Approx 32.0 kg (70.55 lbs)
Terminal	T11
Container Material	ABS
Rated Capacity	124.8 AH/6.24A (20hr ,1.80V/cell,25℃/77℉) 120.0 AH/12.0A (10hr,1.80V/cell,25℃/77℉) 103.2 AH/20.64A (5hr,1.75V/cell,25℃/77℉) 93.6 AH/31.2A (3hr,1.75V/cell,25℃/77℉) 73.2 AH/73.2A (1hr,1.60V/cell,25℃/77℉)
Max. Discharge Current	1300A (5s)
Internal Resistance	Approx 4.0 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 than36.0A.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

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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	205.4	161.5	137.3	114.9	91.3	69.1	56.6	36.0	28.5	23.3	18.8	16.3	13.3	11.3	6.18
1.80V/cell	275.7	206.3	165.9	135.8	107.7	80.4	63.4	39.3	30.7	24.8	20.1	17.5	14.1	12.0	6.24
1.75V/cell	310.8	226.7	181.2	146.1	111.8	83.4	66.3	40.8	31.2	25.4	20.6	18.0	14.3	12.1	6.30
1.70V/cell	342.3	247.1	193.5	153.5	116.4	86.7	68.4	42.4	32.1	26.1	21.2	18.4	14.5	12.2	6.42
1.65V/cell	377.4	266.7	205.7	163.1	122.8	88.9	70.7	43.6	33.5	27.0	21.8	18.8	14.7	12.5	6.50
1.60V/cell	416.3	289.5	220.0	173.7	129.6	92.6	73.2	45.1	34.5	27.8	22.5	19.2	14.9	12.6	6.54

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	375.5	298.3	256.2	216.5	174.0	132.8	109.1	70.0	55.5	45.5	36.8	32.1	26.2	22.4	12.2
1.80V/cell	498.7	376.6	305.4	252.2	202.2	153.2	121.6	75.9	59.4	48.3	39.3	34.3	27.7	23.7	12.3
1.75V/cell	550.3	407.2	329.5	268.7	208.1	157.5	126.6	78.4	60.3	49.2	40.2	35.1	28.1	23.9	12.4
1.70V/cell	589.2	433.8	346.9	280.2	215.4	163.2	130.2	81.3	61.9	50.4	41.1	35.8	28.5	24.1	12.7
1.65V/cell	640.5	463.8	366.0	295.5	225.4	165.8	133.6	83.1	64.2	52.0	42.1	36.5	28.8	24.6	12.8
1.60V/cell	690.1	492.1	385.0	311.3	236.3	171.8	137.6	85.5	65.9	53.4	43.4	37.2	29.1	24.8	12.9

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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SP121500 12V150AH

SP SERIES-VRLA Battery

Specification

Nomial Voltage	12V	
Nomial Capacity(10HR)	150AH	
Dimension	Length	485±3mm (19.09 inches)
	Width	170±2mm (6.69 inches)
	Container Height	240±2mm (9.45 inches)
	Total Height (with Terminal)	240±2mm (9.45 inches)
Approx Weight	Approx 41.1 kg (90.61 lbs)	
Terminal	T11	
Container Material	ABS	
Rated Capacity	156.0 AH/7.80A	(20hr,1.80V/cell,25℃/77℉)
	150.0 AH/15.0A	(10hr,1.80V/cell,25℃/77℉)
	129.0 AH/25.8A	(5hr,1.75V/cell,25℃/77℉)
	117.0 AH/39.0A	(3hr,1.75V/cell,25℃/77℉)
	91.5 AH/91.5A	(1hr,1.60V/cell,25℃/77℉)
Max. Discharge Current	1500A (5s)	
Internal Resistance	Approx 3.5 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 45.0A.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

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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	256.7	201.8	171.6	143.6	114.1	86.4	70.7	45.0	35.6	29.1	23.5	20.4	16.6	14.2	7.73
1.80V/cell	344.6	257.9	207.4	169.7	134.6	100.4	79.2	49.2	38.3	31.1	25.2	21.9	17.6	15.0	7.80
1.75V/cell	388.5	283.4	226.5	182.6	139.8	104.2	82.9	51.0	39.0	31.8	25.8	22.5	17.9	15.1	7.88
1.70V/cell	427.9	308.9	241.8	191.9	145.5	108.4	85.5	53.0	40.1	32.6	26.5	23.0	18.1	15.3	8.03
1.65V/cell	471.8	333.3	257.2	203.8	153.5	111.1	88.4	54.5	41.8	33.7	27.2	23.5	18.4	15.6	8.13
1.60V/cell	520.4	361.9	275.0	217.1	162.0	115.8	91.5	56.3	43.1	34.8	28.1	24.0	18.6	15.8	8.18

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	469.4	372.8	320.3	270.6	217.5	166.0	136.4	87.5	69.4	56.9	46.0	40.1	32.7	28.0	15.3
1.80V/cell	623.4	470.8	381.8	315.2	252.7	191.6	152.0	94.8	74.3	60.4	49.1	42.9	34.6	29.6	15.4
1.75V/cell	687.9	509.0	411.9	335.8	260.2	196.9	158.3	98.0	75.4	61.5	50.3	43.9	35.1	29.9	15.6
1.70V/cell	736.5	542.2	433.6	350.3	269.3	204.0	162.7	101.7	77.3	63.0	51.4	44.8	35.6	30.2	15.8
1.65V/cell	800.6	579.8	457.5	369.3	281.8	207.2	167.0	103.9	80.2	65.0	52.7	45.6	36.1	30.7	16.0
1.60V/cell	862.6	615.1	481.2	389.2	295.4	214.8	172.0	106.9	82.3	66.8	54.2	46.5	36.3	31.0	16.1

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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SP122000 12V200AH

SP SERIES-VRLA Battery

Specification

Nomial Voltage	12V
Nomial Capacity(10HR)	200AH
Dimension	Length 522±3mm (20.55 inches) Width 240±2mm (9.45 inches) Container Height 218±2mm (8.58 inches) Total Height (with Terminal) 224±2mm (8.81 inches)
Approx Weight	Approx 55.0 kg (121.25 lbs)
Terminal	T11
Container Material	ABS
Rated Capacity	208.0 AH/10.4A (20hr ,1.80V/cell,25℃/77℉) 200.0 AH/20.0A (10hr,1.80V/cell,25℃/77℉) 172.0 AH/34.4A (5hr,1.75V/cell,25℃/77℉) 156.0 AH/52.0A (3hr,1.75V/cell,25℃/77℉) 122.0 AH/122.0A (1hr,1.60V/cell,25℃/77℉)
Max. Discharge Current	2000A (5s)
Internal Resistance	Approx 2.7mΩ
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 60.0A.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

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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	342.3	269.1	228.9	191.4	152.1	115.1	94.3	60.1	47.5	38.8	31.3	27.2	22.1	18.9	10.3
1.80V/cell	459.5	343.9	276.5	226.3	179.5	133.9	105.6	65.5	51.1	41.4	33.6	29.2	23.4	20.0	10.4
1.75V/cell	518.1	377.8	302.0	243.4	186.4	139.0	110.5	68.0	52.0	42.3	34.4	30.0	23.8	20.2	10.5
1.70V/cell	570.5	411.8	322.5	255.8	194.0	144.5	114.0	70.7	53.5	43.5	35.3	30.6	24.2	20.4	10.7
1.65V/cell	629.1	444.4	342.9	271.8	204.6	148.1	117.8	72.7	55.8	45.0	36.3	31.3	24.6	20.8	10.8
1.60V/cell	693.8	482.5	366.7	289.5	216.0	154.4	122.0	75.1	57.5	46.4	37.5	32.0	24.8	21.0	10.9

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	625.9	497.1	427.1	360.8	290.0	221.3	181.9	116.6	92.6	75.8	61.3	53.5	43.6	37.4	20.4
1.80V/cell	831.2	627.7	509.0	420.3	336.9	255.4	202.6	126.4	99.0	80.5	65.5	57.2	46.1	39.5	20.6
1.75V/cell	917.2	678.7	549.2	447.8	346.9	262.5	211.0	130.6	100.5	82.1	67.0	58.6	46.8	39.9	20.7
1.70V/cell	982.0	723.0	578.2	467.1	359.1	272.0	217.0	135.6	103.1	84.1	68.6	59.7	47.4	40.2	21.1
1.65V/cell	1067.5	773.1	610.1	492.5	375.7	276.3	222.7	138.5	107.0	86.6	70.2	60.8	48.1	41.0	21.4
1.60V/cell	1150.2	820.2	641.7	518.9	393.8	286.4	229.4	142.5	109.8	89.1	72.3	62.0	48.4	41.4	21.5

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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