SIN12-26 DC [12V 26AH]

Specification

Cells Per Unit	6
Voltage Per Unit	12
Capacity	26Ah@10hr-rate to 1.75V per cell @25˚C
Weight	Approx. 8.8 Kg (Tolerance±3%)
Internal Resistance	Approx. 8.0 mΩ
Terminal	F3
Max. Discharge Current	312A (5 sec)
Cold Cranking Ampere(CCA)	215A
Maximum Charging Current	7.8A
Reference Capacity	C3 20.3AH C5 22.4AH C10 24.5AH C20 26.0AH
Float Charging Voltage	13.6 V~13.8 V @ 25˚C Temperature Compensation: -3mV/˚C/Cell
Cycle Use Voltage	14.6 V~14.8 V @ 25˚C Temperature Compensation: -4mV/˚C/Cell
Operating Temperature Range	Discharge: -20˚C~60˚C Charge: 0˚C~50˚C Storage: -20˚C~60˚C
Normal Operating Temperature Range	25˚C±5˚C
Self Discharge	SINERGY Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 months at 25˚C and then recharging is recommended. Monthly Self-discharge ratio is less than 3% at 25˚C.Please charged batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.

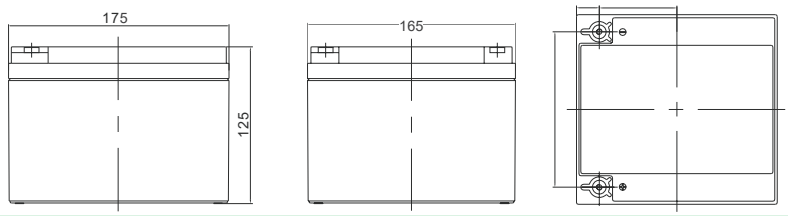
SINERGY BATTERIES

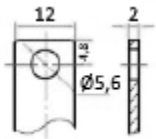
DC (Deep Cycle) series batteries provide superior high integrity and reliability.It is specially designed for frequent cyclic charge and discharge.By using strong grids,thick plate and specially active material are designed for repeated deep-discharge applications. The DC series batteries offer 30% more cyclic life than the standby series.It is suitable for solar and wind renewable nergy storage, mobility and medical equipment,V,telecom, broadband and cable TV, UPS systems etc. For general purpose applications, this is a battery with 6-8 years design life in float service.

ISO 9001 ISO 14001 OHSAS 18001

MH 28539 G4M20206-0910-E-16

Dimensions





F3TERMINAL

Length	166±2mm (6.54 inches)
Width	176±2mm (6.93 inches)
Height	125±2mm (4.92 inches)
Total Height	125±2mm (4.92 inches)
Terminal	Value
M5	6~7 N*m
M6	8~10 N*m
M8	10~12 N*m

Unit: mm

Constant Current Discharge Characteristics : A(25˚C)

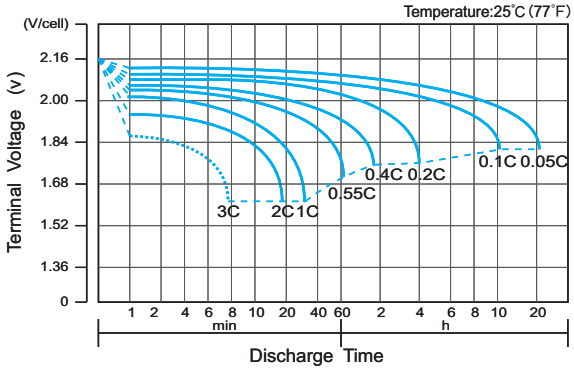
F.V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	30.51	17.91	10.22	7.22	5.64	4.71	3.18	2.63	1.352
1.65V	29.87	17.57	10.05	7.11	5.57	4.65	3.15	2.61	1.340
1.70V	29.03	17.13	9.81	6.96	5.46	4.57	3.10	2.57	1.323
1.75V	27.88	16.51	9.50	6.76	5.32	4.47	3.03	2.52	1.301
1.80V	26.30	15.67	9.06	6.48	5.12	4.32	2.94	2.45	1.269
1.85V	24.06	14.47	8.44	6.08	4.84	4.10	2.81	2.35	1.223

Constant Power Discharge Characteristics : WPC(25˚C)

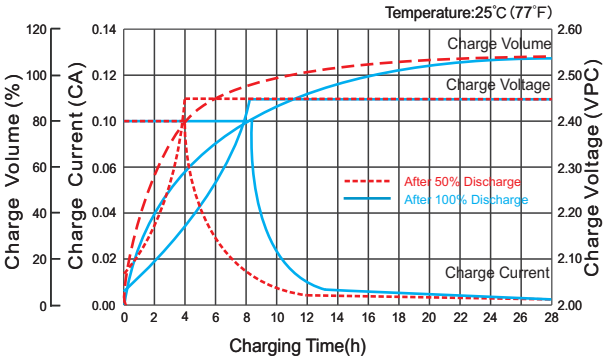
F.V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	55.42	33.49	19.37	13.79	10.83	9.08	6.22	5.17	2.66
1.65V	55.07	33.21	19.18	13.66	10.74	9.01	6.17	5.13	2.64
1.70V	53.81	32.47	18.80	13.41	10.57	8.88	6.08	5.07	2.61
1.75V	52.21	31.47	18.28	13.08	10.33	8.70	5.96	4.98	2.57
1.80V	49.75	30.01	17.52	12.59	9.98	8.44	5.80	4.85	2.51
1.85V	45.97	27.91	16.41	11.86	9.46	8.04	5.55	4.66	2.42

(Note) The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values.

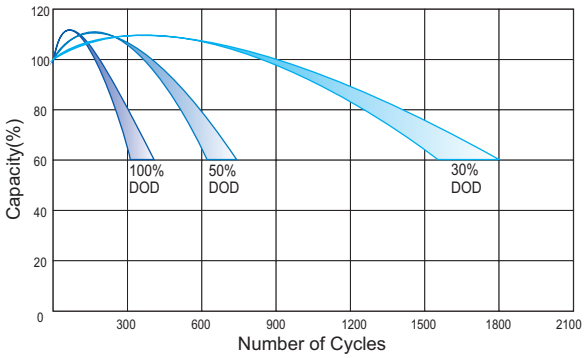
Discharge Characteristics Curve



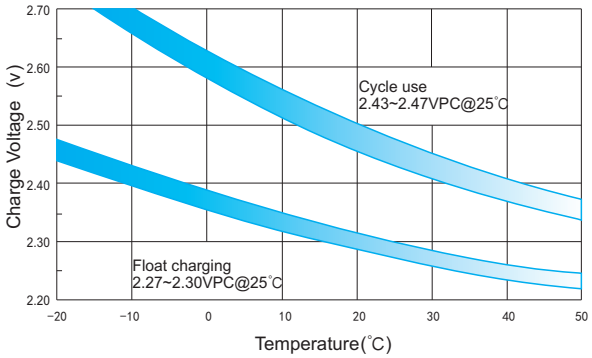
Charge Characteristic Curve for Cycle Use(IU)



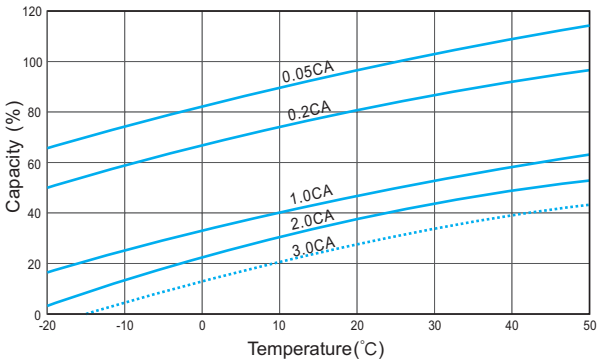
Cycle Life in Relation to Depth of Discharge



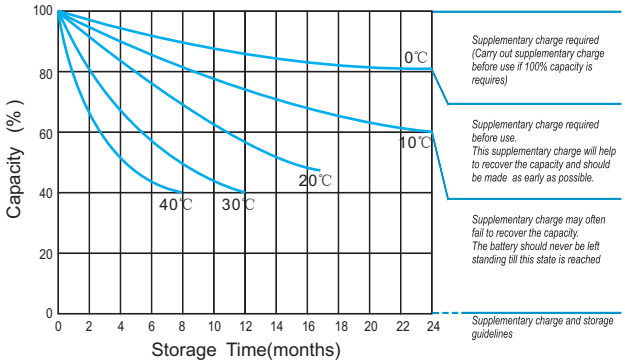
Relationship Between Charging Voltage and Temperature



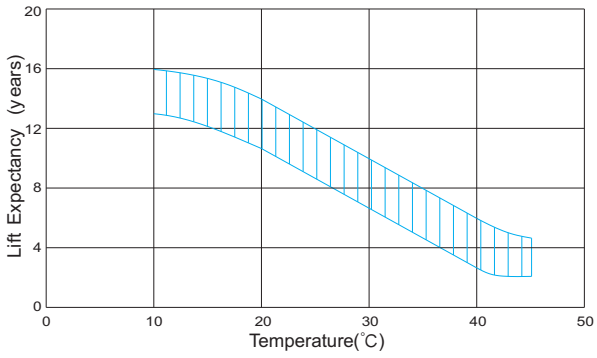
Temperature Effects on Capacity



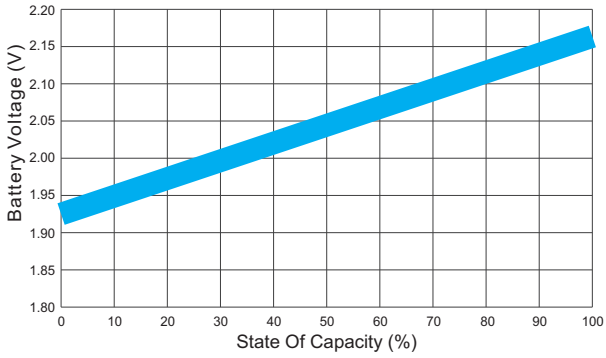
Storage Characteristics



Effect of Temperature on Long Term Life



Relationship of OCV And State of Charge(20℃)



(Note) All above information shall be changed without prior notice,

SINERGY BATTERIES

Version 19/01