PC1290
(12V9Ah)

POWER CLONE

General purpose battery with 6~8 years design life in float service. It meets with IEC, JIS, BS and YDT standards. With advanced AGM valve regulated technology and high purity raw material, the General Purpose Battery series maintains high consistency for better performance and reliable standby service life. It is suitable for UPS/EPS, Telecom, power grid, medical equipment, emergency light and security system applications.

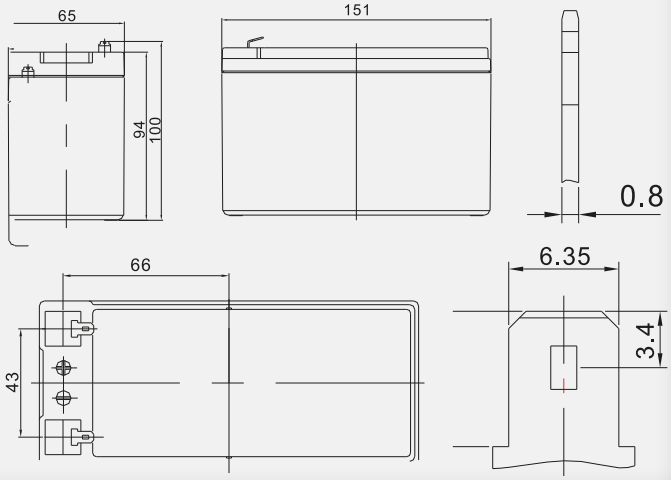
IQNet CERTIFICATE IQNet CERTIFICATE MH28539 G4M20206-0910-E-16

Specification

Cells per Unit	6
Voltage Per Unit	12
Nominal Capacity	9Ah@20hour-rate to 1.75V per cell @25
Weigt	Approx. 2.55 Kg (Tolerance±4.0%)
Internal Resistance	Approx. 18 mΩ
Terminal	F1/F2
Max.Discharge Current	90A(5 sec)
Short Circuit Current	450A
Design Life	6~8 years (Float charging)
Recommended Maximun Charging Current	2.7A
Reference Capacity	C3 6.98AH C5 7.89AH C10 8.46AH C20 9.06AH

Standby Use Voltage	13.7 V~13.9 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Clycle 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	General Purpose Battery Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 months at 25X and then recharging is recommended. Monthly Self-discharge ratio is less than 3% at 25X .Please charge batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.

Dimensions



F2Terminal

Length	151±1.5mm (5.94 inches)
Width	65±1.5mm (2.56 inches)
Height	94±1.5mm (3.70 inches)
Total Height	100±1.5mm (3.94 inches)
Terminal	Value
M5	6~7 N*m
M6	8~10 N*m
M8	10~12 N*m

Unit: mm

Constant Current Discharge Characteristics : (A25°C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR
1.60V	35.68	23.27	17.17	9.936	5.741	3.387
1.65V	34.39	22.58	16.72	9.717	5.634	3.338
1.70V	32.72	21.67	16.13	9.429	5.494	3.272
1.75V	30.56	20.49	15.36	9.051	5.308	3.184
1.80V	27.85	18.99	14.37	8.562	5.067	3.070
1.85V	24.50	17.11	13.12	7.937	4.755	2.921

F.V/Time	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	2.462	1.961	1.655	1.106	0.901	0.465
1.65V	2.430	1.936	1.636	1.095	0.892	0.460
1.70V	2.386	1.904	1.611	1.080	0.881	0.463
1.75V	2.328	1.861	1.577	1.060	0.866	0.454
1.80V	2.252	1.804	1.532	1.034	0.846	0.443
1.85V	2.153	1.730	1.473	0.999	0.819	0.433

Constant Power Discharge Characteristics : WPC (25°C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR
1.60V	61.42	40.15	30.46	18.32	10.90	6.52
1.65V	60.77	39.99	30.29	18.18	10.81	6.47
1.70V	58.45	38.81	29.47	17.74	10.57	6.36
1.75V	55.59	37.36	28.47	17.21	10.27	6.22
1.80V	51.53	35.22	27.01	16.44	9.85	6.02
1.85V	46.15	32.30	25.01	15.39	9.31	5.76

F.V/Time	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	4.77	3.82	3.24	2.19	1.80	0.94
1.65V	4.74	3.79	3.22	2.18	1.78	0.93
1.70V	4.67	3.74	3.17	2.15	1.76	0.92
1.75V	4.57	3.67	3.12	2.11	1.73	0.91
1.80V	4.44	3.57	3.04	2.07	1.70	0.89
1.85V	4.26	3.43	2.93	2.00	1.65	0.87

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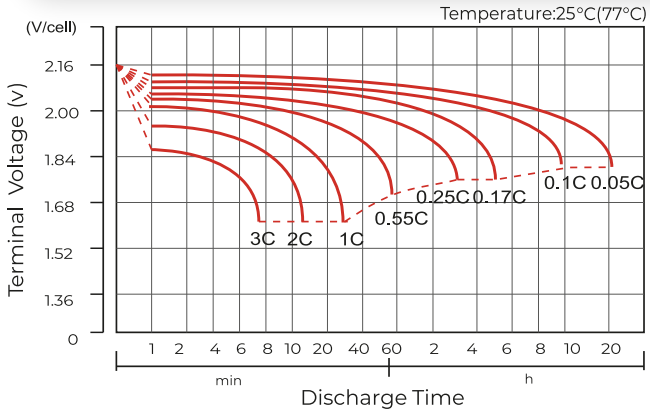
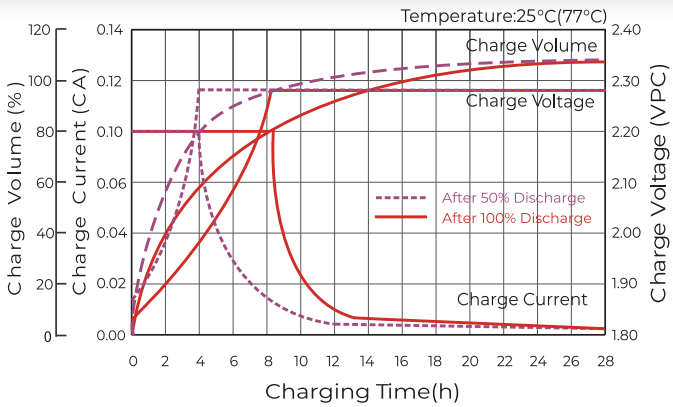
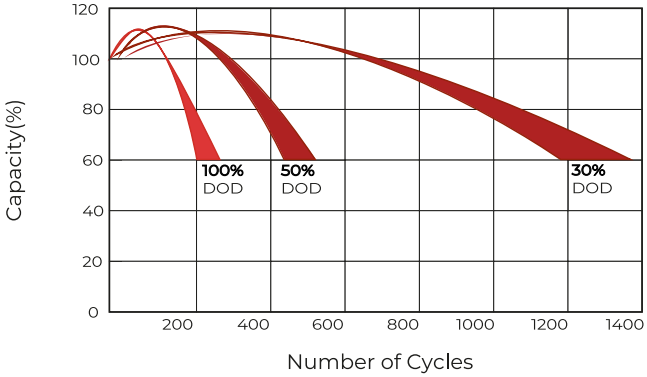
Discharge Characteristics Curve



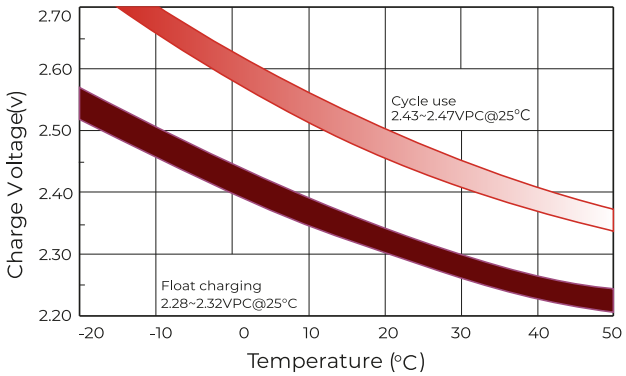
Charge Characteristic Curve For Standby Use



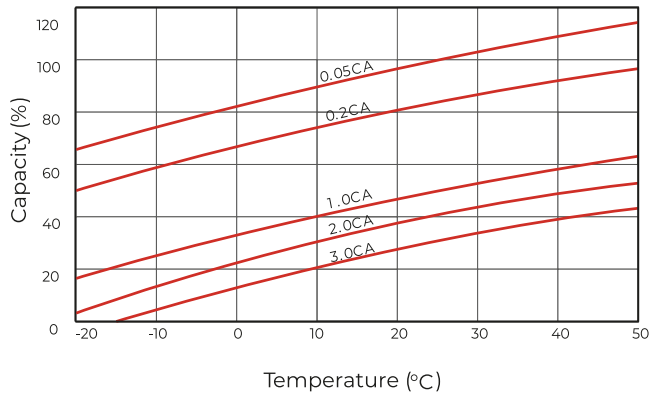
Cycle Life In Relation T o Depth Of Discharge



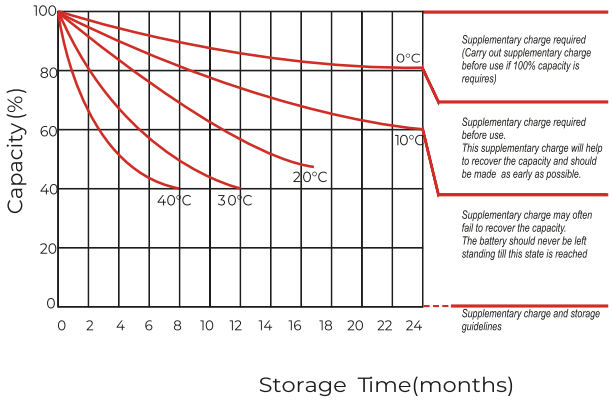
Relationship Between Charging Voltage & Temperature



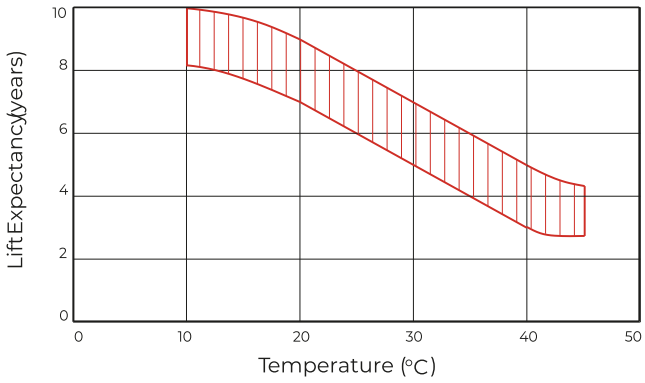
Temperature Effects On Capacity



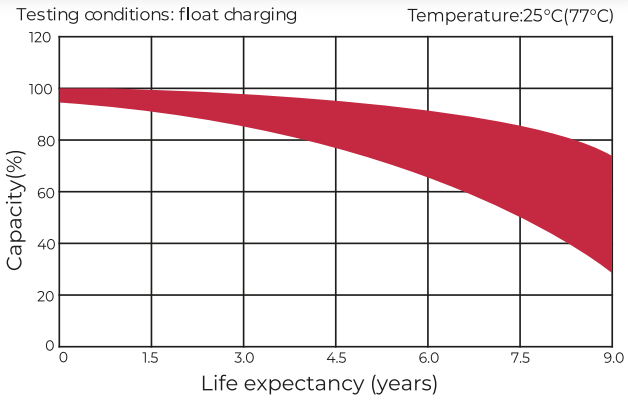
Storage Characteristics



Effect Of Temperature On Long Term Life



Life Characteristics Of Standby Use



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