PHASE II

Deep Cycle GEL Battery PHII226-6

6VDC | 226Ah | Gel | Deep Cycle

The PHII deep cycle gel battery adopts the advanced developed nano gel electrolyte with super-C additive plus heavy duty plates design inside. It has a longer service life even deep cycle discharge use and can provide optimum and reliable service under extreme condition such as high temperature and frequent power failure, thus it is highly suited for tropical area in outdoor applications such as Telecom BTS stations and Off-grid PV system.

GENERAL FEATURES

- Nanosilica colloidal gel electrolyte and high tin positive plate
- Relatively rich electrolyte,high temperature and low temperature performance is superior
- Long cycle life,excellent deep cycle discharge ability Excellent charge acceptance ability,precision sealing technology

APPLICATIONS

- BTS Stations
- Solar & Wind energy system
- UPS system
- Telecom systems
- Wheel chair, Golf cart

COMPLIED STANDARDS

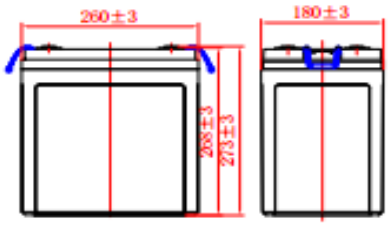
IEC60896-21/22 JISC8704

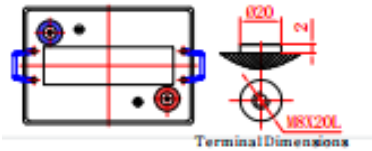
IEC61427 BS6290-4

GB/T19638 CE/ISO

DIMENSIONS & WEIGHT

Length(mm)	260±3
Width(mm)	180±3
Height(mm)	268±3
Total Height(mm)	273±3
Weight(kg)	33.0±3%





TECHNICAL SPECIFICATIONS

Nominal Voltage		6V(3cells per unit)
Design Floating Life @25℃		10 Years
NominalCapacity@25℃(20 hour rate@11.3A, 5.25V)		226Ah
Capacity@25℃	20 hour rate(11.3A, 5.25V) 5 hour rate (44.0A,5.25V) 1 hour rate (179A,4.8V)	226Ah 220Ah 179Ah
Internal Resistance	Full Charged Battery@25℃	≤3.8mΩ
Ambient Temperature	Discharge Charge Storage	-20℃~50℃ -20℃~50℃ -20℃~50℃
Max.Discharge Current@25℃		3000A(5s)
Capacity affected by Temperature (10hour)	40℃ 25℃ 0℃ -15℃	108% 100% 90% 70%
Self-Discharge@25℃ per Month		3%
Charge (Constant Voltage)@25℃	Standby Use	Initial Charging Current Less than 50A Voltage 6.75-6.9V Initial Charging
	Cycle Use	Current Less than 50A Voltage 7.2-7.5V

BATTERY DISCHARGE TABEL

Discharge Constant Current per Cell (Amperes at 25°C)

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	302	179	92.7	69.5	42.1	28.1	23.7	11.48
1.65V	296	178	92.1	68.9	41.9	27.8	23.5	11.39
1.70V	290	177	91.3	67.8	41.4	27.6	23.2	11.39
1.75V	288	174	90	67	40.9	27.3	23	11.30
1.80V	276	170	88.4	66.7	39.9	27.3	22.8	11.21
1.85V	251	157	83.9	62.9	37.9	26.1	22.1	11.03

Discharge Constant Power per Cell (Watts at 25°C)

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	546	340	175	132	86.1	54.7	45.5	25.10
1.65V	543	337	174	131	85.6	54.1	45	25.00
1.70V	540	334	174	130	85	53.9	44.5	24.90
1.75V	537	331	173	129	84.5	53.6	44.3	24.80
1.80V	523	328	172	129	83.4	53.1	43.8	24.60
1.85V	479	304	165	122	79.7	51.4	43	24.40

Note The above data are average values,and can be obtained within 3 charge/discharge cycles.These are not minimum values.Cell and battery designs/specifications are subject to modification without notice.

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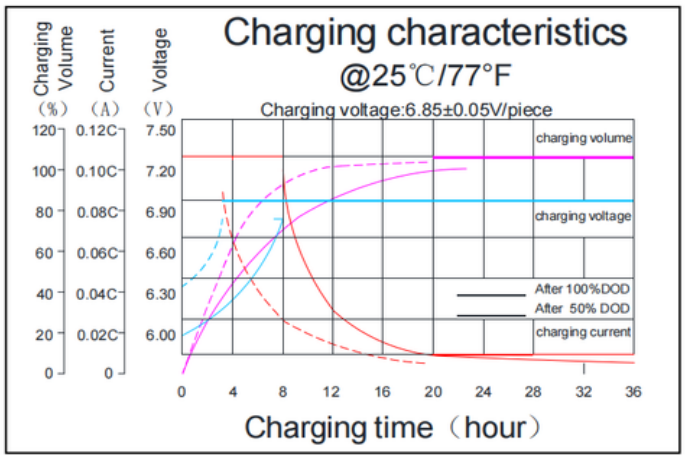
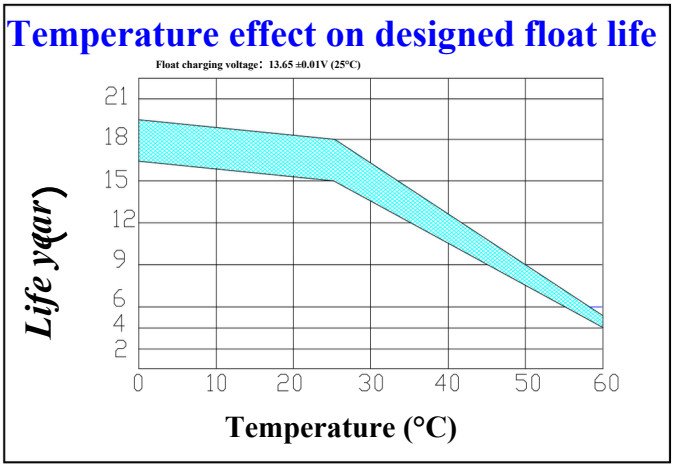
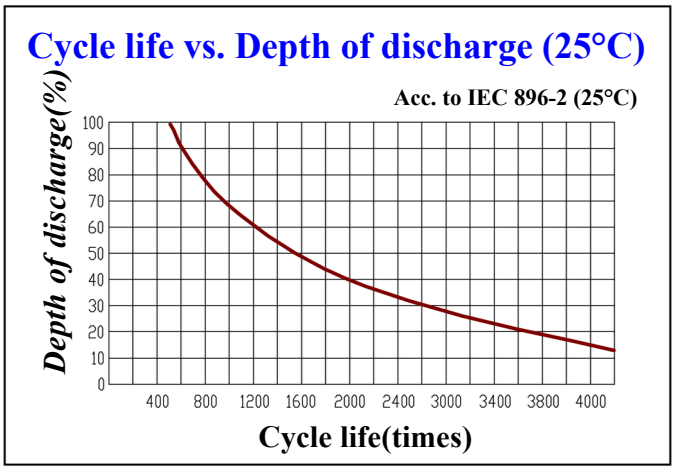
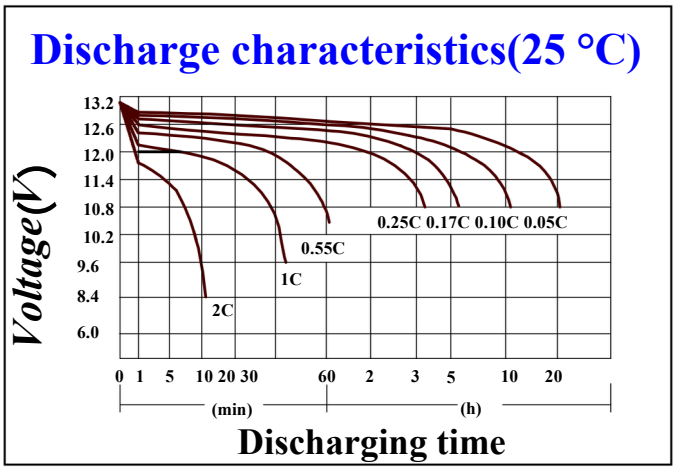
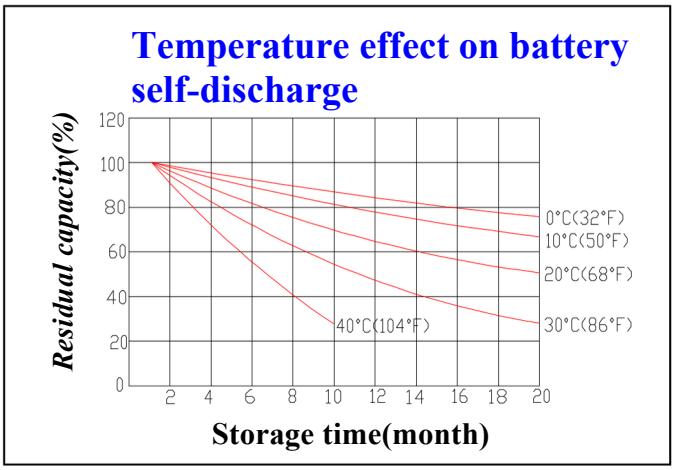
PERFORMANCE CHARACTERISTICS

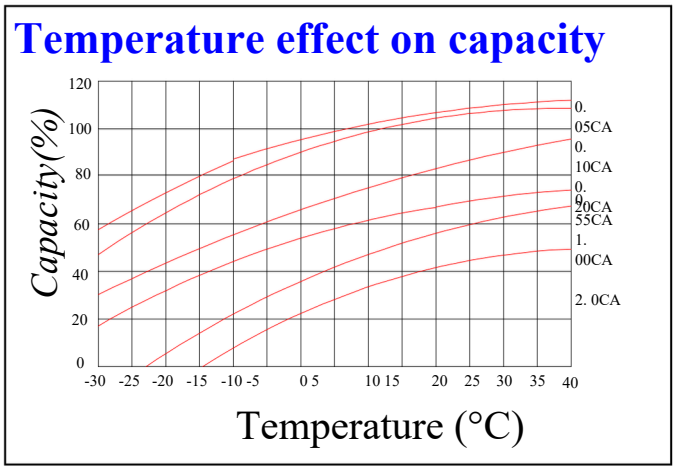












BATTERY CONSTRUCTION

Component	Positive plate	Negative plate	Container & Cover	Safety valve	Terminal	Separator	Electrolyte	Pillar seal
Features	Thick high Sn low Ca grid with special paste	Balanced Pb-Ca grid for improved recombination efficiency	Fire resistance ABS (UL94 -V0 optional)	Flame Si-Rubber and aging resistance	Female Copper Insert M8	Advanced PVC /AGM separator for high pressure cell design	Silicon Gel import from Germany	Two layers epoxy resin seal