



SHENZHEN OSTAR POWER TECH CO.,LTD.

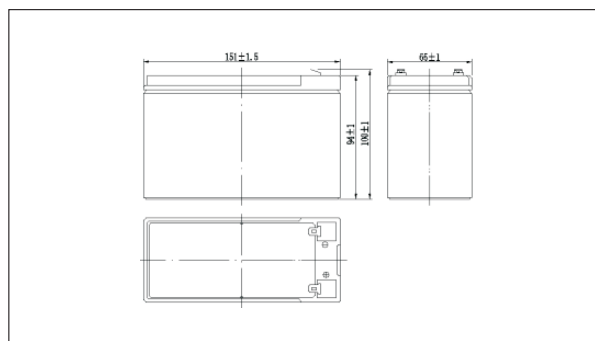
OP1290(I) (12V9Ah)

Specifications

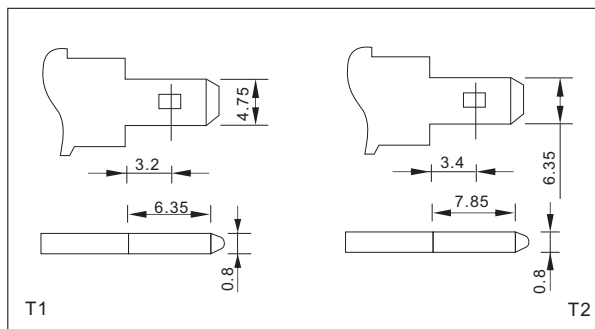
Nominal Voltage		12V
Rated capacity (20 hour rate)		9Ah
Dimensions	Length	151±1.5mm(5.94inch)
	Width	65±1mm(2.56inch)
	Height	94±1mm(3.70inch)
	Total Height	100±1mm(3.94inch)
Approx. Weight		2.50kg(5.51lbs)±4%
Capacity (25°C)	20HR(10.5V)	9Ah
	10HR(10.5V)	8.4Ah
	1HR(9.60V)	5.8Ah
Terminal type		T1/T2
Internal resistance (Fully charged,25°C)		Approx.19m Ω
Capacity affected by temperature (20HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 months	Remaining Capacity:91%
	6 months	Remaining Capacity:82%
	12 months	Remaining Capacity:65%
Nominal operating temperature		25°C ±3°C(77°F ±5°F)
Operating temperature range	Discharge	-15°C~50°C(5°F~122°F)
	Charge	-10°C~50°C(14°F~122°F)
	Storage	-20°C~50°C(-4°F~122°F)
Float charging voltage(25°C)		13.50 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.50 to 15.00V Temperature compensation: -30mV/°C
Maximum charging current		2.7A
Maximum discharge current		135A(5 sec.)
Designed floating life(20°C)		10 years



Outer dimensions (mm)



Terminal Type (mm)



Construction

Component	Positive plate	Negative plate	Container	Cover	Separator	Electrolyte	Safety valve	Terminal
Raw material	Lead dioxide	Lead	ABS	ABS	AGM	Sulfuric acid	Rubber	Copper

Constant Current Discharge Characteristics Unit:A(25°C,77°F)

F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	34.4	22.1	17.5	9.8	6.0	3.24	2.32	1.86	1.59	0.87	0.46
9.90V	33.3	21.4	17.1	9.6	5.9	3.23	2.31	1.86	1.57	0.85	0.46
10.2V	32.0	20.5	16.5	9.3	5.8	3.20	2.29	1.84	1.56	0.85	0.46
10.5V	30.8	19.7	15.9	9.1	5.6	3.16	2.28	1.83	1.54	0.85	0.45
10.8V	29.5	18.6	15.1	8.7	5.5	3.07	2.21	1.77	1.50	0.84	0.45

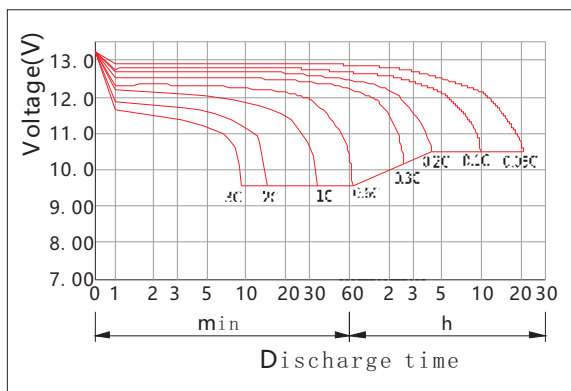
Constant Power Discharge Characteristics Unit:W(25°C,77°F)

F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	390	250	200	112	69	38.1	27.7	22.2	18.9	10.4	5.57
9.90V	378	243	195	110	68	37.8	27.5	22.1	18.9	10.4	5.54
10.2V	361	232	188	107	67	37.5	27.3	21.9	18.7	10.3	5.51
10.5V	346	221	181	104	65	36.8	27.1	21.8	18.6	10.2	5.48
10.8V	334	210	172	100	63	35.9	26.4	21.1	18.0	10.0	5.38

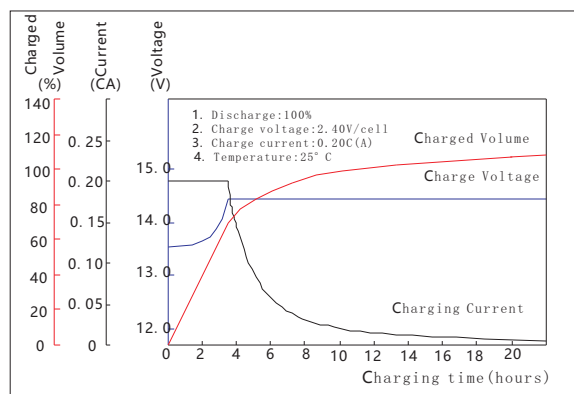
Note: The above characteristics data can be obtained within three charge or discharge cycles.

OP1290(I)(12V9Ah)

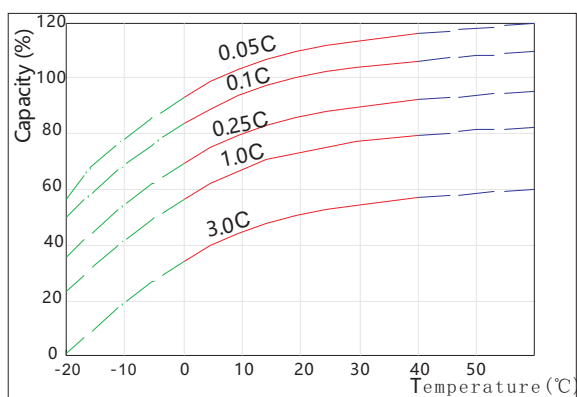
Discharge characteristics(25°C)



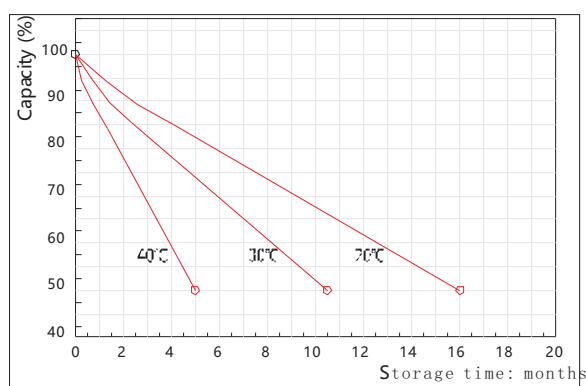
Charging characteristics (25°C)



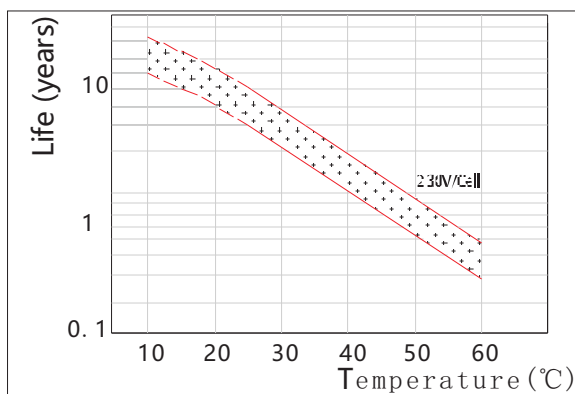
Effect of temperature on capacity



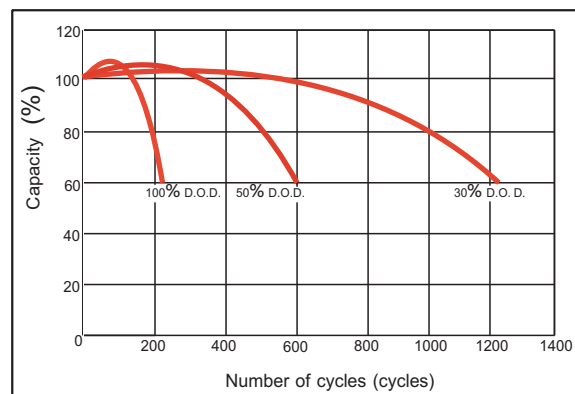
Self-discharge characteristic



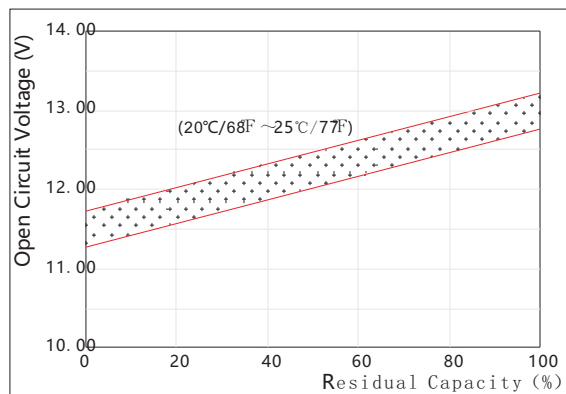
Floating life on temperature



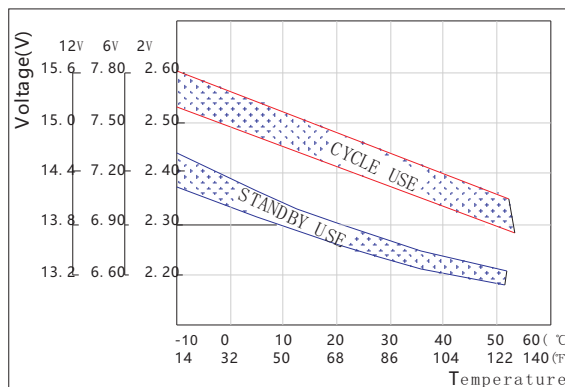
Cycle life on D.O.D(25°C)



The relationship for OCV and Capacity (25°C)



The relationship for Charging voltage and Temperature



Certificate of Conformity



EC Council Directive 2004/108/EEC Electromagnetic Compatibility

Certificate No.: BCT111202C-006E
Report No.: BCT111202R-006E

Applicant : SHENZHEN OSTAR POWER TECH CO.,LTD.
Rm.B2508,No.3 Building,Third Phase,HongJi Park,Longgang
District Center,Shenzhen,China

Manufacturer : SHENZHEN OSTAR POWER TECH CO.,LTD.
Rm.B2508,No.3 Building,Third Phase,HongJi Park,Longgang
District Center,Shenzhen,China

Product : SEALED LEAD ACID BATTERY
(VALVE REGULATED,MAINTENANCE FREE)

Model No. : OP**

Trade Mark : OSTAR

The submitted products have been tested by us with the following standard(s) and found to be in compliance with the listed European Directives.

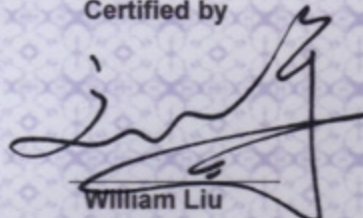
EN61000-6-1:2007,EN 61000-6-3: 2007+A1:2011
EN61000-3-2:2006,EN61000-3-3:2008

The certificate of conformity is based on an evaluation of a sample of the above-mentioned product. Technical report and documentation are at the applicant's disposal. This is to certify that the tested sample is in conformity with all provisions of Council Directive 2004/108/EEC, in its latest amended version, referred to EMC Directive.



DEC. 19, 2011
Date

Certified by


William Liu
Manager



The CE Marking may only be used if all relevant and effective EC Directives are complied with



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