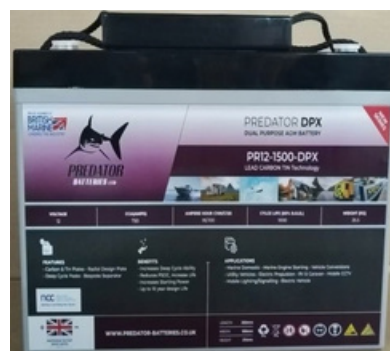


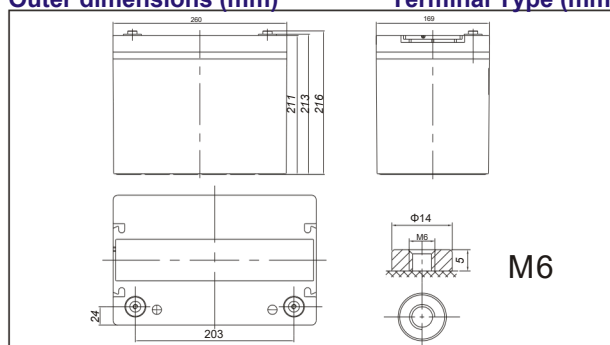
Model:PR12-1500-DPX(12V100AH/100HR)

The series is a general purpose battery with 6~8 years design life in float service.It meets with IEC and JIS standards.With up-dated AGM valve regulated technology and high purity raw materials



Outer dimensions (mm)

Terminal Type (mm)



Characteristics

capacity(25°C)	100HR(10.5V)	100.0AH
	20HR(10.5V)	90.00AH
	3HR(9.6V)	61.7AH
Terminal type		M6
Inner resistance (fully charged,25°C)		Approx.6mΩ
Capacity affected by temperature	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)
Maximum charge current		24.0A
Maximum discharge current		240A(5 sec.)
Designed life		6~8 years

Specifications

Nominal Voltage		12V
Rated capacity (10 hr to 1.75V per cell @ 25°C)		80Ah
Dimensions	Length	260±2mm(10.2 inch)
	Width	169±2mm(6.65 inch)
	Height	211±2mm(8.31 inch)
	Total Height	216±2mm(8.50 inch)
Weight Approx.		25.5 kg(56.21 lbs)±3%

Construction

Component	Positive plate	Negative plate	Container&Cover	Separator	Electrolyte	Safety value	Terminal
Raw material	Lead dioxide	Lead	ABS UL94-HB,UL94-V0 Optional.	AGM	Sulfuric acid	Rubber	Copper/lead

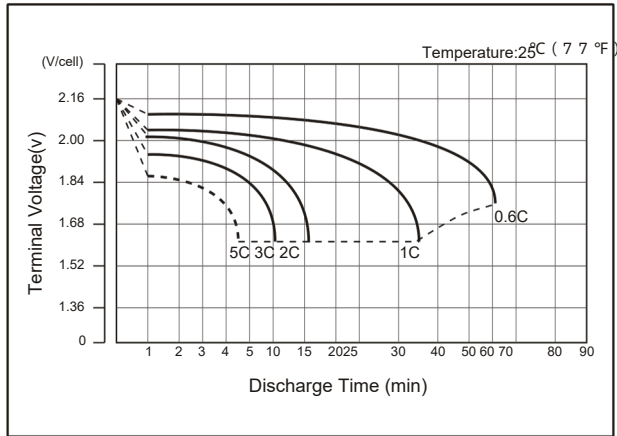
Constant Current Discharge (Amperes) at 25°C (77°F)

F.V/Time	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	174	134	80.4	49.4	29.2	21.1	16.8	14.4	9.87	8.14	4.32
9.90V	169	131	78.8	48.7	29.1	20.9	16.7	14.3	9.82	8.13	4.31
10.2V	162	126	76.4	47.5	28.8	20.8	16.6	14.2	9.75	8.1	4.3
10.5V	155	122	74.5	46	28.4	20.6	16.5	14.1	9.68	8.06	4.27
10.8V	146	116	71.8	44.5	27.6	20	16	13.7	9.39	8	4.24

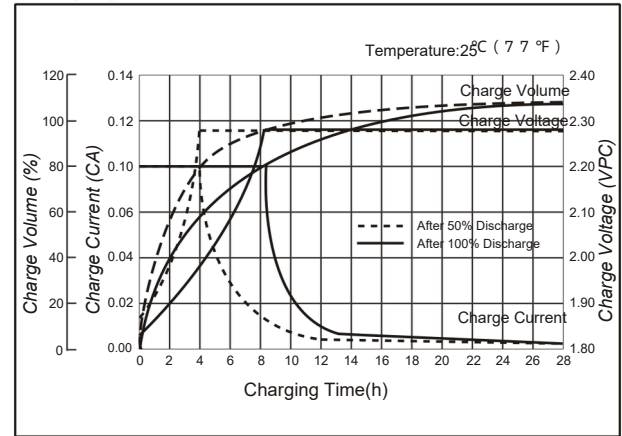
Constant Power Discharge (watts) at 25°C (77°F)

F.V/Time	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	1884	1476	902	564	339	248	198	170	117	97.2	51.8
9.90V	1827	1440	884	555	337	246	197	169	117	97	51.7
10.2V	1752	1387	857	541	334	244	195	168	116	96.8	51.5
10.5V	1676	1340	836	524	329	243	194	166	115	96.2	51.2
10.8V	1582	1269	806	507	320	235	188	161	112	95.5	50.9

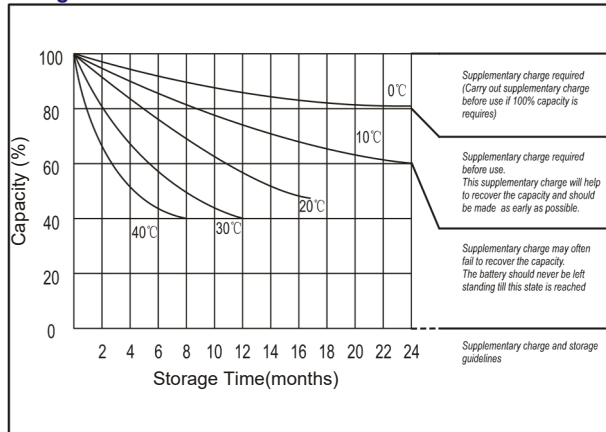
Discharge characteristics (25°C)



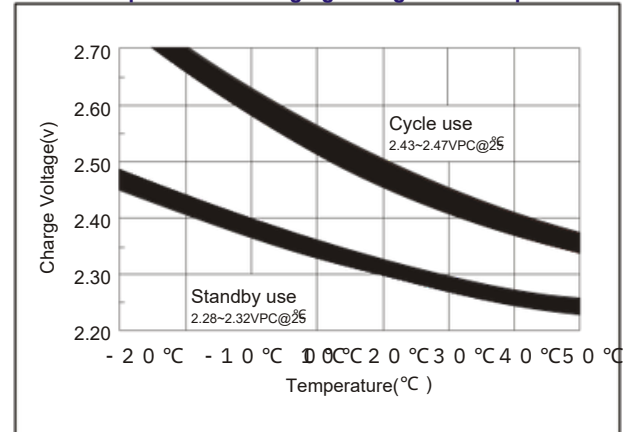
Charging characteristics



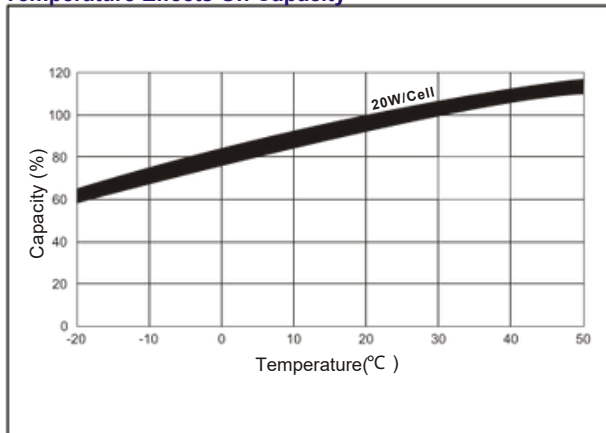
Storage Characteristics



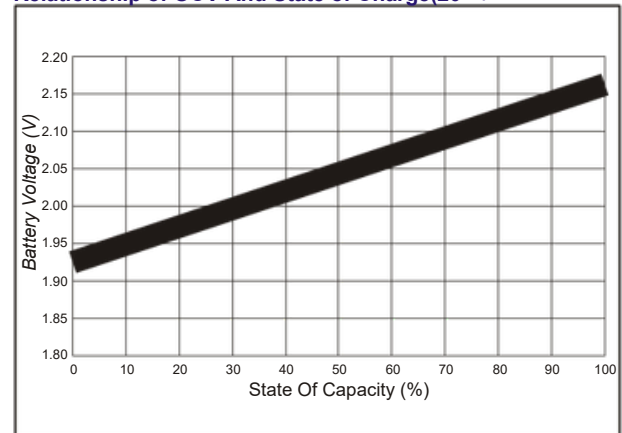
Relationship Between Charging Voltage And Temperature



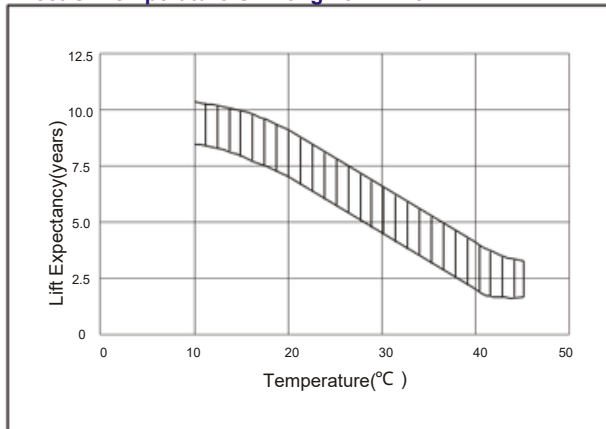
Temperature Effects On Capacity



Relationship of OCV And State of Charge(20°C)



Effect Of Temperature On Long Term Life



Life Characteristics Of Standby Use

