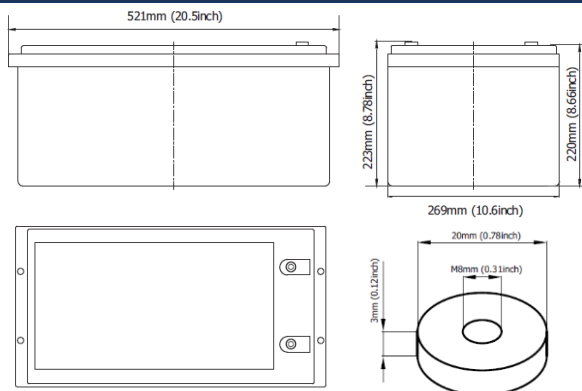




APPLICATIONS

- Solar & Wind power systems
- Power plants
- Uninterruptible Power Supply (UPS)
- Telecommunication systems
- Electric wheelchairs
- Golf carts
- Remote monitoring and controlling
- Water pumping systems

DIMENSIONS



SPECIFICATIONS

Nominal Voltage		12 V
Number of cells		6
Design Floating Life (20°C)		12 years
Dimensions	Length	521 mm
	Width	269 mm
	Height	220 mm
	Total Height	223 mm
Weight		73 kg
Nominal Capacity (25°C)	120 hours rate (1.85)	298 Ah
	10 hours rate (1.80)	252 Ah
	5 hours rate (1.75)	210 Ah
	1 hours rate (1.60)	152 Ah
Internal Resistance (fully charged, 25°C)		2.9 mOhm
Self Discharge		approx. 3% per month at 20°C
Nominal Operating Temperature		25°C
Operating Temperature range	Discharge	-15°C to 65°C
	Charge	-10°C to 60°C
	Storage	-20°C to 60°C
Float Charging Voltage		2.27 to 2.30 V/cell at 25°C
Temperature compensation		-18mV/°C
Cyclic Charging Voltage		2.40 to 2.47 V/cell at 25°C
Temperature compensation		-30mV/°C
Maximum charging current		62.5 A
Maximum discharge current (25°C)		2500 A (5 sec.)
Short Circuit Current		3750 A

PERFORMANCE DATA

Discharge Constant Current at 25°C (Amperes)

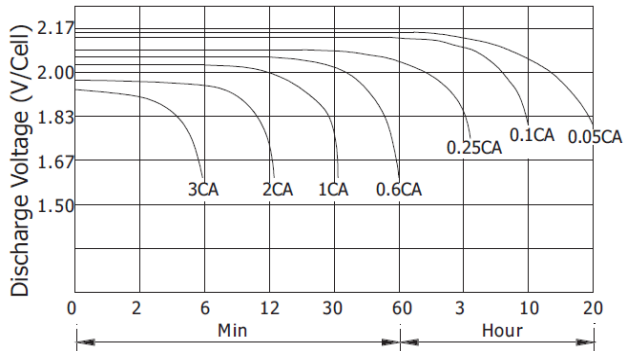
End Voltage (V/cell)	10min	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h	120h
1.60 V	503	384	243	193	152	91.0	61.8	49.0	42.7	30.4	25.9	13.2	----
1.65 V	489	375	237	190	150	90.4	61.4	48.7	42.5	30.2	25.8	13.2	----
1.70 V	467	361	230	183	146	89.7	61.0	48.3	42.2	30.0	25.6	13.1	----
1.75 V	450	349	224	181	142	88.3	60.6	48.0	41.9	29.8	25.4	13.0	----
1.80 V	423	330	216	174	138	86.1	58.8	46.6	40.7	28.9	25.2	13.0	2.52
1.85 V	416	326	213	171	136	84.8	57.9	45.9	40.1	28.5	24.8	12.8	2.48

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

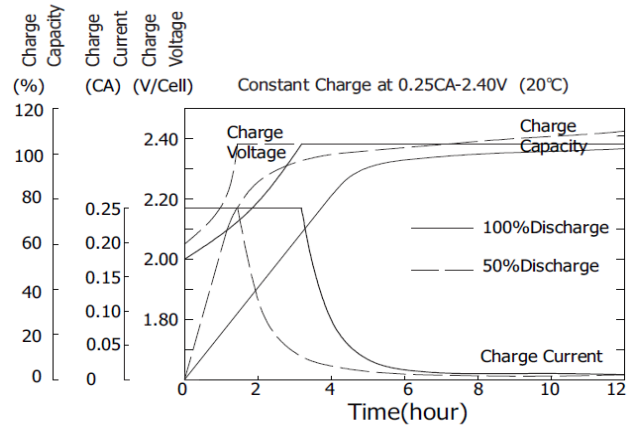
End Voltage (V/cell)	10min	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h	120h
1.60 V	959	709	458	376	291	177	122	96.9	84.3	61.2	53.0	27.1	----
1.65 V	930	690	447	368	285	176	121	95.9	83.7	60.5	52.2	26.8	----
1.70 V	886	664	433	356	278	174	120	95.3	83.2	60.0	51.8	26.7	----
1.75 V	852	639	421	350	271	171	119	94.2	82.7	59.1	50.9	26.4	----
1.80 V	805	608	408	338	264	167	116	91.8	80.8	57.5	50.4	26.2	5.04
1.85 V	793	599	401	333	260	165	114	90.5	79.6	56.6	49.6	25.8	4.96

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

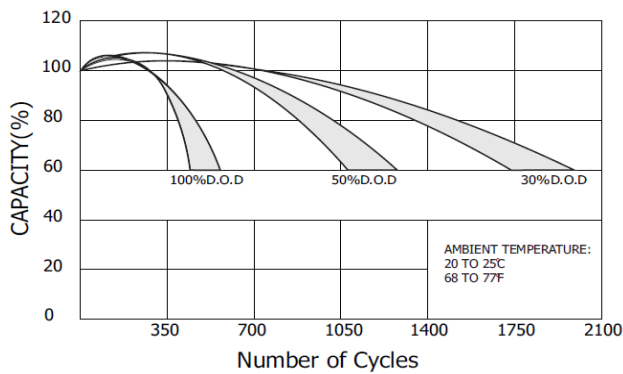
Discharge Characteristics (20°C)



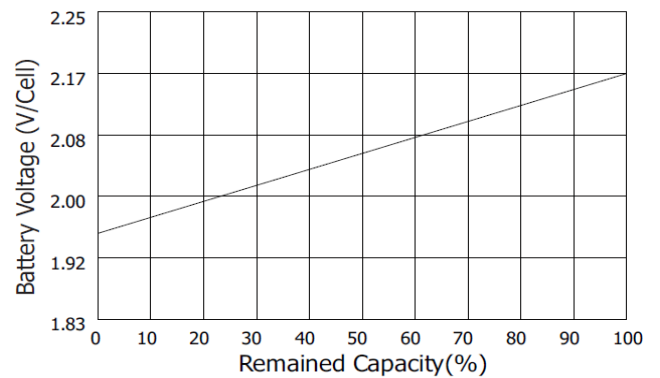
Charging Characteristics (20°C)



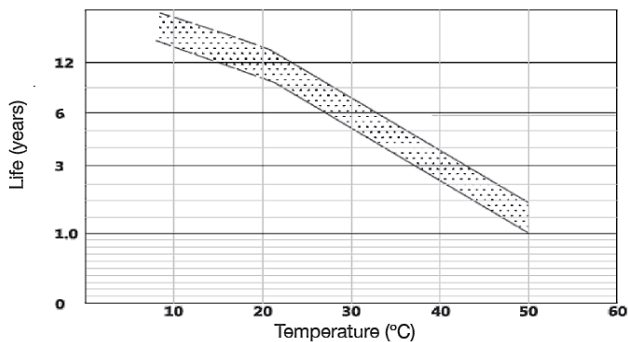
Cycle Service Life in Relation to Depth of Discharge



Relationship Between OCV and Residual Capacity (20°C)



Temperature Effects on Float Life



Self Discharge Characteristics

