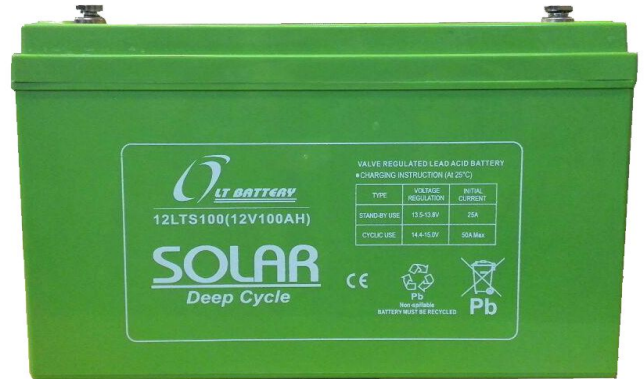


### Range Summary

Using oxygen recombination technology: maintenance-free  
 PbCaSn alloy for plate grids: low self discharge rate than 3% per month  
 High quality AGM separator: extend cycle life and prevent micro short circuit retardant  
 High purity raw material: 99.99% pure lead



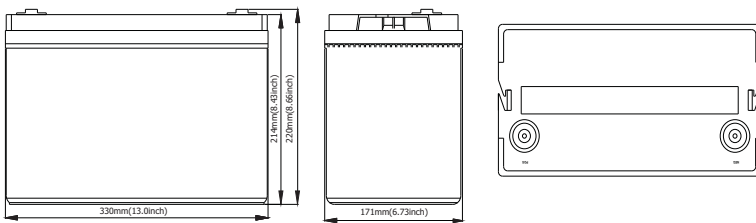
### Application

Cable Television  
 Communication  
 Equipment  
 Security System

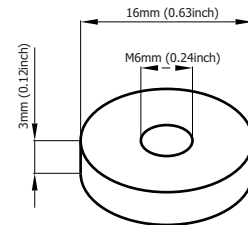
UPS  
 Control Equipment  
 Medical Equipment  
 Emergency Power



### Battery Dimensions

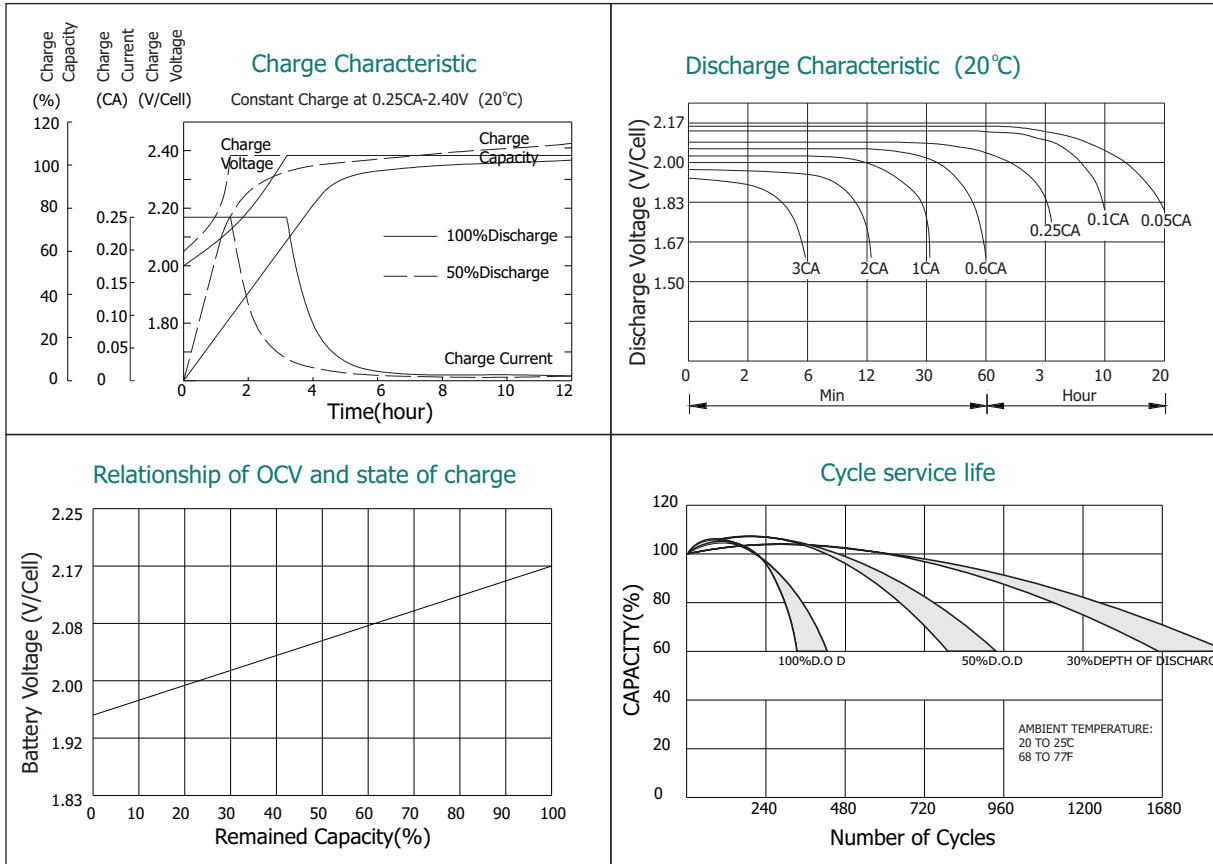


### Terminal Dimensions



### Technical Specifications

Battery Model	12LTS100			
Designed Floating Life	12 Years			
Capacity(20°C)	20HR(5.3A,1.80V)	10HR(10A,1.80V)	5HR(17A,1.75V)	1HR(63A,1.60V)
	106Ah	100Ah	85Ah	63Ah
Dimensions	Length	Width	Height	Total Height
	330mm(13.0inch)	171mm(6.73inch)	214mm(8.43inch)	220mm(8.66inch)
Approx. Weight	30.4Kg			
Internal Resistance	Full charged at 20°C: 0.0045 Ohm			
Self Discharge	< 3% of capacity declined per month at (20°C)			
Capacity Affected by Temp.(10HR)	40°C	20°C	0°C	-15°C
	109%	100%	85%	65%
Charge Voltage(20°C)	Cycle use		Float use	
	14.4-14.8V(-30mV/°C), max. Current: 25A		13.6-13.8V(-18mV/°C)	



**Constant current discharge ratings-amperes at 20°C**

F.V/Time	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	350	240	175	105	63.0	27.5	17.5	10.6	5.53
1.67V	315	219	170	102	62.6	27.3	17.3	10.5	5.51
1.70V	299	211	164	100	62.4	27.2	17.2	10.4	5.50
1.75V	266	195	155	98.0	61.8	27.0	17.0	10.2	5.49
1.80V	240	181	148	95.0	61.0	26.9	16.9	10.0	5.30
1.85V	182	149	128	87.4	60.3	26.8	16.8	9.83	4.98

**Constant power discharge ratings-watts at 20°C**

F.V/Time	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	577	398	310	198	124	52.8	33.5	21.2	11.1
1.67V	547	393	307	194	119	52.4	33.3	20.9	11.0
1.70V	511	383	302	189	116	52.0	33.2	20.7	10.9
1.75V	476	358	284	184	115	51.6	32.9	20.4	10.8
1.80V	427	333	267	179	113	50.9	32.3	20.0	10.6
1.85V	342	276	233	164	112	50.7	31.9	19.7	10.0



ISO 9001 : 2008  
Pooya Tosee Afzar Co.

**Pooya Tosee Afzar**

● **Electrical and Electronic Systems**  
(UPS, Inverter, Stabilizer, Charger, Battery)

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