RPS
RESERVE POWER SYSTEMS
Stored energy solutions for standby power applications.

Long Duration Telecom
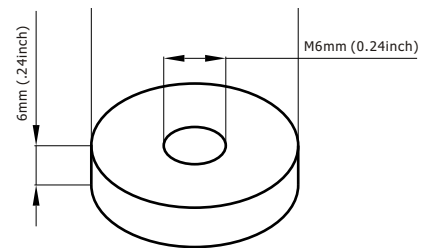## LDT12-120FT *12V120AH*

Long Duration Telecom

RPS Long Duration Telecom (LDT) batteries have been engineered specifically for telecommunication applications requiring reliable performance during long discharges. Flush-mount terminals on smaller batteries and front access terminals on the larger batteries provide the highest power density in size for their class and save time and money for ease of installation.
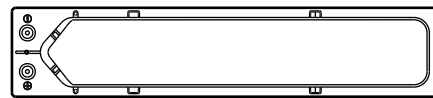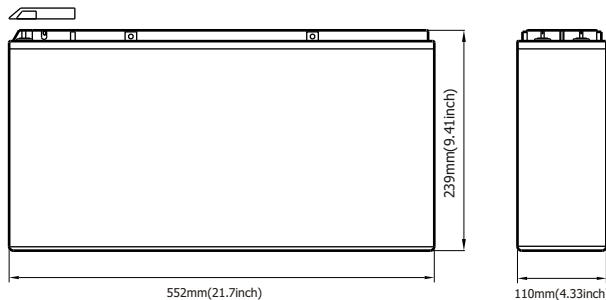
Applications

- Wireless
- Customer Premise
- Broadband
- Microwave
- Outside Plant
- FTTP/DLC

General Features

- Front Terminal Design
- AGM Sealed Maintenance Free
- Non-Spillable Construction
- Patented O-Ring and Epoxy Resin Post Seal
- UL 1778, 1989, 924 and DOT CFR 171-189 Approved
- UL94V-0 ABS Flame Retardant Case
- Thermally Welded Case to Cover Bond
- Exceptional Deep Discharge and Fast Recovery Capability
- Low Pressure One-Way Safety Release Valve with Flame Arrestors
- Exceptional Cycle Life Capacity

6mm (.24inch)   M6mm (0.24inch)

Terminal 8mm Torque 6 NM / 71in/lbs

239mm(9.41inch)

552mm(21.7inch)   110mm(4.33inch)

Battery Model	LDT12-120FT			
Designed Floating Life	12 Years			
Capacity(25℃)	20HR(7.5A,1.75V)	10HR(15A,1.75V)	8HR(15.0A,1.75V)	1HR(90A,1.75V)
	160AH	150AH	120AH	90AH
Dimensions	Length	Width	Height	Total Height
	552 mm(21.7inch)	110mm(4.33inch)	239mm(9.41nch)	239mm(9.41inch)
Approx. Weight	36Kg (80lbs)			
Internal Resistance	Full charged at 25℃: 0.004 Ohm			
Self Discharge	3% of capacity declined per month at (25℃)			
Capacity Affected by Temp.(20HR)	40℃	25℃	0℃	-15℃
	102%	100%	85%	65%
Charge Voltage(25℃)	Cycle use		Float use	
	14.4-15V(-30mV/ ℃), max. Current: 37.5A		13.6-13.8V(-20mV/ ℃)	

F.V/Time	1 HR	2 HR	3 HR	4 HR	5 HR	8 HR	10 HR	20 HR
1.75V	79.4	48.8	32.1	26.5	20.8	15.0	12.6	6.5
1.80V	77.5	47.9	31.3	25.9	20.4	14.8	12.5	6.4
1.85V	73.6	45.8	29.9	24.6	19.5	14.1	12.1	6.0
1.90V	71.6	44.8	29.2	24.0	19.1	13.8	11.9	5.8