


POHL

POHL Electronic GmbH
Eduard-Maurer-Straße 11a • 16761 Hennigsdorf
Tel. +49 3302 81893-0 • Fax +49 3302 81893-99
www.pohl-electronic.de • info@pohl-electronic.de

INDIVIDUAL DATA SHEETS

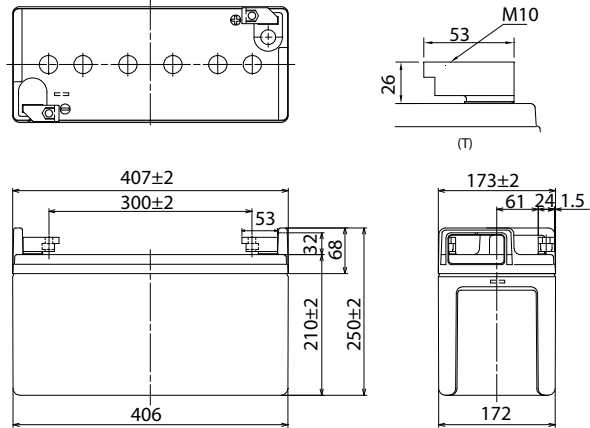
LC-QA06210TP

FOR STANDBY POWER SUPPLIES.
EXPECTED TRICKLE DESIGN LIFE: 15 YEARS AT 20°C.

DIMENSIONS (MM)



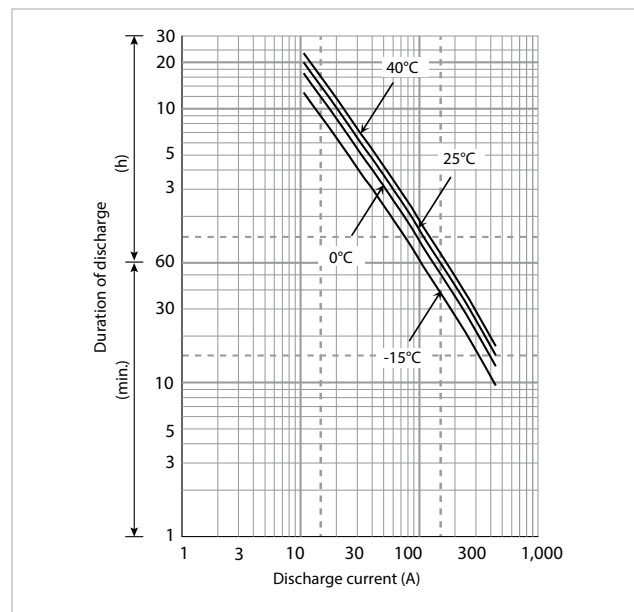
Terminal type



Contents indicated (including the recycle marking, etc.) are subject to change without notice. Battery case resin: flame-retardant (UL94 V-0)

Specifications		LC-QA06210TP
Nominal voltage (V)		6
Nominal capacity	20 hours rate (Ah)	210
Dimensions	Length (mm)	173
	Width (mm)	407
	Total height (mm)	250
Approx. mass (kg)		36.5
Terminal type		M10 T-shape
Capacity (25°C)	20 hours rate (Ah)	212
	10 hours rate (Ah)	202
	3 hours rate (Ah)	176
	1 hour rate (Ah)	135
Impedance (mΩ)	Fully charged battery (25°C)	1.5
Temperature dependency of capacity (%) – 20 hours rate	40°C	102
	25°C	100
	0°C	85
	-15°C	65
Remaining capacity (25°C)	After 3 months (%)	91
	After 6 months (%)	82
	After 12 months (%)	64

DURATION OF DISCHARGE VS. DISCHARGE CURRENT



WATT TABLE (25°C)

(Wattage/battery)

Cut-off	15min.	20min.	30min.	45min.	1h	1.5h	2h	3h	4h	5h	6h	10h	20h
4.80V	2,220	1,816	1,349	986	769	561	467	343	274	222	191	121	61.8
4.95V	2,167	1,773	1,317	964	749	546	454	337	268	215	185	117	61.3
5.10V	2,089	1,709	1,274	954	729	531	448	331	262	209	180	115	61.1
5.25V	2,063	1,696	1,264	939	708	517	439	325	260	206	179	114	60.6
5.40V	1,966	1,687	1,223	905	698	509	428	319	254	203	177	113	59.8

AMPERE TABLE (25°C)

(Ampere/battery)

Cut-off	15min.	20min.	30min.	45min.	1h	1.5h	2h	3h	4h	5h	6h	10h	20h
4.80V	440	364	274	200	153	107	88.1	61.5	47.6	39.5	32.3	20.5	10.6
4.95V	438	362	272	195	144	105	87.5	60.4	47.1	38.8	32.2	20.4	10.6
5.10V	436	358	268	193	140	104	86.4	60.0	46.7	38.2	32.1	20.3	10.6
5.25V	412	341	263	191	135	103	85.4	58.7	46.2	38.0	32.0	20.2	10.6
5.40V	398	333	259	165	131	92.3	81.1	57.3	45.6	37.8	31.0	20.1	10.4

All mentioned values are average values

LC-QA06210TP

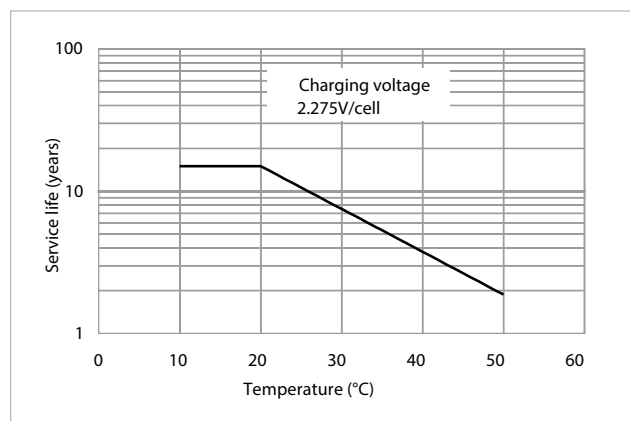
CHARGING METHOD (25°C)

Cycle use	Control voltage: 6.80V - 6.90V Initial current: 31.5A or smaller
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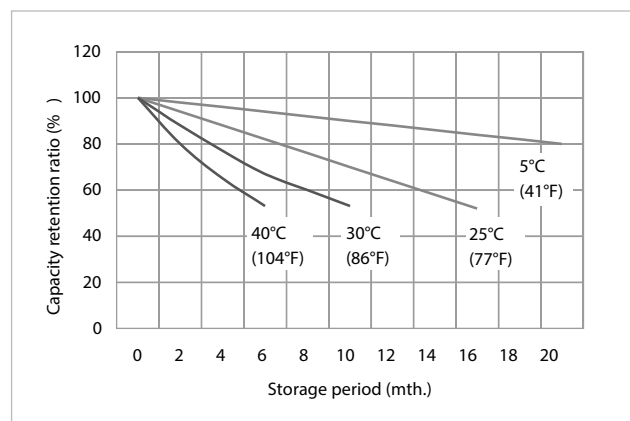
CUT-OFF VOLTAGE

Discharge current	10.5A - 42.0A	42.0A - 105A	105A - 210A	210A - 420A	420A - 630A
Cut-off voltage	5.25V	5.10V	4.95V	4.65V	4.35V

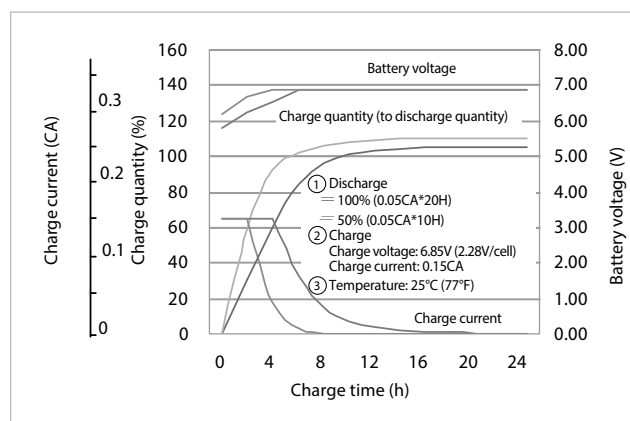
INFLUENCE OF TEMPERATURE ON TRICKLE LIFE



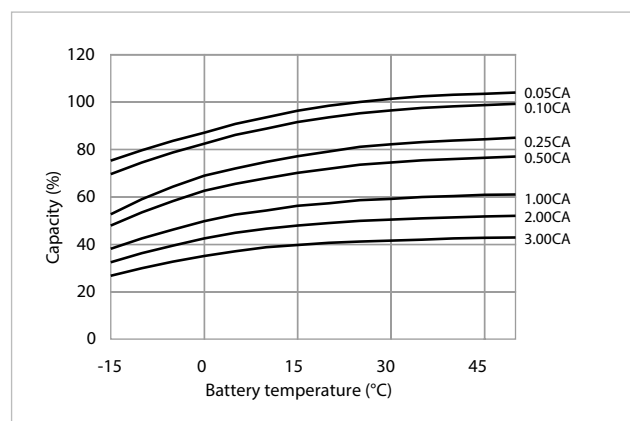
RESIDUAL CAPACITY TEST RESULT



CONSTANT-VOLTAGE CONSTANT-CURRENT CHARGE CHARACTERISTICS FOR TRICKLE USE



DISCHARGE CAPACITY BY TEMPERATURE AND BY DISCHARGE CURRENT



DISCHARGE CHARACTERISTICS

