

Note to User: Yellow highlighted cells
require user input per system design



Xtralis VESDA Laser Series Detector Battery Calculation sheet

	Model	Part Number	Quantity	Standby Current (ma)	Standby Current		Alarm Current (ma)	Alarm Current
Detectors	VLP at 3000 rpm	VLP-xxx		260	0		290	0
	VLP at 3600 rpm	VLP-xxx		320	0		340	0
	VLP at 4000 rpm	VLP-xxx		350	0		400	0
	VLP at 4200 rpm	VLP-xxx		400	0		450	0
	VLS at 3000 rpm	VLS-xxx		260	0		310	0
	VLS at 3600 rpm	VLS-xxx		330	0		390	0
	VLS at 4000 rpm	VLS-xxx		350	0		420	0
	VLS at 4200 rpm	VLS-xxx		400	0		450	0
	XCC-010, VLC	XCC-010, VLC		225	0		245	0
	VLF - 250	VLF-250		220	0		295	0
	VLF-500	VLF-500		410	0		490	0
	ECO	ECO		60	0		85	0
	XCC-011	XCC-011	1	235	235		255	255
Option modules	Integral display	VSP-002		60	0		110	0
	Integral programmer	VSP-001		40	0		60	0
	VESDAnet Card	VIC-010		50	0		50	0
	Multi-Function card	VIC-020		42	0		42	0
	Multi Function card	VIC-030		42	0	**	100	0
	Remote Display	VRT-x00		60	0		110	0
	Remote programmer	VRT-100		50	0		80	0
	Remote Relay	VRT-x00		60	0		80	0
	HLI	VHX-xxx		70	0		70	0
	Hand held Programmer	VHH-1000		70	0		70	0
	VFT Relay module	01-E606-01		2	0		31	0

**** - VIC-030 alarm current is 100 ma + MPO output load (max 1.0 Amp). User must add MPO current and 100 mA and insert value in highlighted cell when using VIC-030**

Total Standby Current (ma) 235

X

Insert Total Quiescent Time Period (in Hours) EN54-4 typical 4, 30,72 30

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Required Quiescent Capacity (AH) 7,1

Total AH Required 7,2

Battery Derating Factor (in percent) 10,00%

Battery Capacity Required (AH) 7,9

Batteries to install 7

Total Alarm Current (ma) 255

X

Insert Total Alarm Period (30 minutes typical - EN544) 30

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Required Alarm Capacity (AH) 0,1275