

iLOG power supply requirements

iLOG unit & SCT-04 at 12V DC (Display backlight=off)

Rated supply current [mA]

Operation state	iLOG-LAN	iLOG-GSM	iLOG-EDM*
Normal operation (logging) Power save param = ON	95	50	50
Normal operation (logging) Power save param = OFF	95	90	80
Internet connection	95	160	80

Notes

Display backlight ON: add 40 mA

SCT-04 relay output ON: add 40 mA for each output

* Without external modem

iLOG-GSM can draw up to 2A, in short periods (bursts) during data transmission. A power supply with current limitation under 2A is not suitable for proper device operation.

Recommendation

For solar panel power supply a 10-12Watts solar panel is enough to power one unit. Such a system should consist of a PV element an appropriate battery (minimum one cell 12VDC at 4Ah lead acid type, recommended one cell 12VDC at 7.2Ah lead acid type) and a charger (minimum 12V 2 A).