



## Accessories —Power supply



### Power supplies

When the data logger (see Compatibility) isn't supplied with an ELF box, we recommend having external power supply units.

	<b>BSC015</b>	Power supply converter/battery charger for indoor applications.	
		Voltage	230 Vca -> 9 Vdc (1.8 A)
		Connection	On data logger power plug
		Protection degree	IP54
		Compatibility	M-Log
	<b>DEA261</b> <b>DEA261.1</b>	Power supply converter/battery charger for indoor applications to data logger	
		Voltage	10W-90..264Vac-> 13,6 Vdc (750 mA)
		Connection	DEA261: with 2C connector DEA261.1: free wires to data logger terminal board
		Protection degree	IP54
		Compatibility	DEA261: E-Log DEA261.1: E-Log, Alpha-Log, ALIEM
	<b>DEA251</b>	Power supply converter/battery charger for outdoor applications. N.2 outputs	
		Voltage	85...264 Vca -> 13.8 Vcc
		Power	30 W
		Max output current	2 A
		Connection to sensors or data logger	On free terminals board
		Protection degree	IP65
		Protections	Short Circuit, overvoltage, overcurrent
		Operative temperature and humidity	-30...+70 °C ; 20...90 %
		Compatibility	E-Log, Alpha-Log, ALIEM
	<b>DYA059</b>	Bracket for DEA251 on poles of 45...65 mm diameter	



### Batteries

External batteries are required for E-Log, Alpha-Log operation when not powered from the mains and or to increase the M-Log battery life. Batteries are usually mounted inside ELF enclosures and connected to the data logger using the terminal power supply input.

	<b>MG0558.R</b>	12 V Pb 18 Ah battery	
		Type	Rechargeable Sealed Lead-Acid
		Dimensions	181x76x167 mm
		Weight	6 Kg
		Box Compatibility	ELF345-345.1-340-340.1-340.5-340.8
	Operating temperature	<ul style="list-style-type: none"> <li>• Charge -15°C to 40 °C</li> <li>• Discharge -15°C to 50 °C</li> <li>• Storage -15°C to 40 °C</li> </ul>	
	<b>MG0560.R</b>	12 V Pb 44Ah battery	
		Type	Rechargeable Sealed Lead-Acid
		Dimensions	151x65x94 mm
		Weight	13.5 Kg
		Box Compatibility	ELF345-345.1-340-340.1-340.5-340.8
	Operating temperature	<ul style="list-style-type: none"> <li>• Charge -15°C to 40 °C</li> <li>• Discharge -15°C to 50 °C</li> <li>• Storage -15°C to 40 °C</li> </ul>	

## Solar panel

For applications where mains power is not available or where a double power supply is required, the data logger can be powered by a photovoltaic panel. In these cases it is advisable to place the data logger inside an ELF345-345.1 box that includes DYA117 regulator. When a solar panel is present, an external battery must be housed in the ELF345 box model MG0558.R (18 Ah) or MG0560.R (44 Ah), chosen according to the autonomy required and the availability of sunshine.

	<b>DYA101</b>	65 Watt solar panel	
		Operative voltage (VMP)	15 V
		VOC voltage	22,4 V
		Dimensions, Weight	813x535 mm, 5.2 kg
		Tecnology	Monocrystalline
		Frame material	Aluminium
		Cable	L=5 m
	Regulator (DYA117)	<ul style="list-style-type: none"> <li>• Battery Voltage: 12/24V</li> <li>• Charge/Discharge Current: 10 A</li> <li>• Battery type: Lead/Acid</li> <li>• Float voltage: 13.7 V</li> <li>• Auto Power Off Voltage: 10.7 V</li> <li>• Auto Reconnect Voltage: 12.6 V</li> <li>• Self-consumption: &lt; 10 mA</li> <li>• USB Output: 5 V /1.2 A Max</li> <li>• Operating temperature: -35°/+60°C</li> <li>• included inside ELF345-345.1 boxes</li> <li>• Inside Alpha-Log</li> </ul>	
	<b>DYA064</b>	Tiltable support for solar panel fixing to poles of diam. 45...65 mm Weight: 1.15 kg	