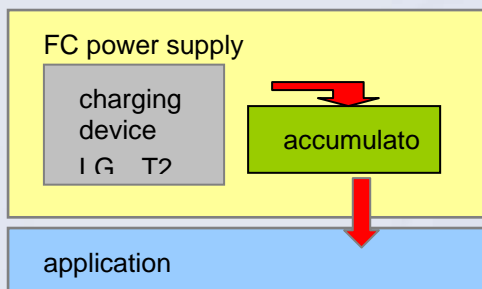


FUEL CELL POWER SUPPLY LG45T2



Operating features:

Independent power supply for applications without any connection to the electricity-grid

- maintenance-free automatic charging set for 12V / 24V lead accumulators
- enlarged environmental temperature range for outdoor applications
- power generation using PEM Fuel Cell with pure hydrogen
- comfortable visualization and PC-interface for parameter setting
- automatically detection of accumulator voltage (12V and 24V)
- USB interface for communication and parameter setting
- output current adjustable to the capacity of the accumulator
- control functions for independent operation
- readable history memory
- suitable for operation with metal hydride hydrogen storage (internal interface for handling of MH-storage prepared)
- internal GSM-module for remote control, remote enquiry of device-status and operating-data available as option
- I/O-user-interface to the application (2x digital OUT, 2x digital IN, 2x analog IN 0...10V)
- user specified software extensions (for instance threshold logic, condition control, remote control) available as option

housing (outdoor)	portable, plastic	
measurements (WxHxD)	415mm x 335mm x 235mm	
mass	9,5 kg	
environmental temperature	-25°C to 50°C	
cooling	liquid cooling	
air humidity	max. 95%	
media connection	hydrogen (minimal quality 3.0), max. 10 bar	
operation	cyclic charging operation	
max. power	40W	
charging voltage	10,5V ... 14,7V	21V ... 29,4V
max. charging current	4,0A	2,0A

Order numbers:

device (40W)	ZEMIS® LG45T2
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