



DCL, DCS

DC Voltage Converters



- DC/DC converters extend users' applications
- Maximum output current adapts to output voltage
- Excess energy management system in DCL, makes the PV system more efficient
- Overheating protection extends product lifetime
- Display LEDs for "Power on" and " Current limitation", "Excess Energy" additional for DCL
- DIN-rail mounting adapter available

The DCS is a DC/DC converter specially designed for PV systems. It enables a 12V Battery Voltage to lower voltage DC appliances such as small radios or cassette players. The DCS utilizes innovative overheating protection which adapts the maximum output current to the output voltage in order to enhance product reliability and lifetime.

The DCL extends the functionality of the DCS by adding excess energy management functionality that provides usable energy that would normally be wasted because the battery cannot accept the extra solar energy. With DCL it is possible to charge a second battery with excess energy. This is widely used in mobile-homes and boats which often have a battery for the solar system and a second battery for starting the engine. Another typical application is to power a small fan for air exchange on a boat powered only with excess energy. Only your imagination limits the number of possible applications.

TYPE	DCL/DCS						
Nominal Voltage	12V						
Output Voltage and	1.5V	3.0V	4.5V	6.0V	9.0V	12.0V	13.6V*
Maximum Output Current	250mA	300mA	400mA	450mA	650mA	1000mA	2000mA
Self consumption	6mA						
Diameter Wire	0.75 to 16mm ²						
Temperature range	-20 to +50° C						
Max. power dissipation	4W						
Dimensions	100 x 80 x 34mm						
Weight	125gr						
Additional Data DCL							
Nominal Voltage 2nd Battery	12V						
Float voltage 2nd Battery	13.4V						
Max. charging current@13.4V	2A						

* The 13.6V output voltage can only be got when the input voltage is higher than 13.6V

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