

DC-DC Converters

FEATURES

- Advanced switchmode design
- Mount in almost any location
- Compact and light weight
- Converter or charger
- Very low power consumption
- Power cannot travel from the output to the input through the MPC
- 24Vdc to 12Vdc 3 step battery charger
- 2 Year Warranty

APPLICATIONS

- Heavy trucks
- Marine
- Solar
- Industry



5 Amps

TECHNICAL SPECIFICATIONS

Model	MPC-05
CAUTION! THERE IS NO ISOLATION BETWEEN THE INPUT AND THE OUTPUT INPUT AND OUTPUT HAVE A COMMON NEGATIVE	
Input	
Nominal input voltage	24VDC
Input range, three step charge mode	18..32VDC
Input range, converter mode	18..32VDC
Input range, no defects	0..35VDC
Overvoltage Limitation	> 32.0VDC
Overvoltage Reset	< 31.8VDC
Output	
Nominal output voltage (converter mode)	13.8VDC
Charge voltage 3 step (Boost)	14.1 – 14.6VDC
Charge voltage 3 step (Float)	13.3 – 13.8VDC
Boost*	14.4VDC
Float*	13.6VDC
Charge forcing	every 24 hours
Output accuracy	2%
Output voltage ripple, peakpeak	1%
Maximum output power / Continuous output power	75W / 70W
Maximum output current	5A
Continuous output current at 40°C	5A

* Factory settings

Technical Specifications subject to change without notification.

To view a full selection of Samlex products visit our website at:
www.samlex.com or www.samlex-solar.com

TECHNICAL SPECIFICATIONS

General	
Efficiency	>90%
No load consumption	±18mA
Ambient operating temperature	-10°C .. +40°C, de-rating to +60°C
Storage temperature	-25°C .. +85°C
Operating humidity	95% max, non-condensing
Galvanic insulation	None / Common negative
Cooling	Natural convection
Protections	
Overcurrent / short circuit	Limited by current sensing
Over heat, shutdown	Limited power by temperature sense
Mechanical	
Connections	4 x 6.3 mm Faston
Enclosure Dimensions (H*W*D)	50x98x88 mm
Weight	290 gr.
Protection class	IP20

Technical Specifications subject to change without notification.

To view a full selection of Samlex products visit our website at:
www.samlex.com or www.samlex-solar.com