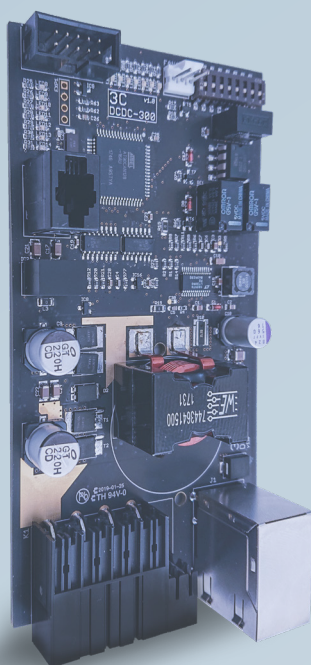




OVERVIEW



PSW300

DC/DC CONVERTER

THE MODULE

Over the past decades, 3C has developed and supplied products and components for cathodic protection systems all over the world. The PSW300 is the latest addition to our range of High-End Compact Switchmode Rectifiers and DC/DC Converters. It is up to date with the latest technologies and is more sturdy, compact and efficient than ever.

The PSW300 is a DC/DC converter specially designed and optimized for cathodic protection applications. LED's are indicating the operation modes of the module. Each module is controlled by the Thor Control System via CAN field bus.

PROFITABLE

- ✓ Compact and powerful
- ✓ Easy to install - mounts on 35mm DIN rail
- ✓ Minimum of maintenance
- ✓ Designed for long-term service

OPTIMIZED

- ✓ Built for continuous full load
- ✓ Low power loss
- ✓ High accuracy and very low ripple
- ✓ Durable aluminium casing
- ✓ Rugged and mechanically resistant
- ✓ Ideal for use with the Thor Cathodic Protection Control System
- ✓ Ideal for use with protection of reinforced concrete structures

PSW300

DC/DC CONVERTER

SPECIFICATIONS

Module Data

Input	20 - 36 VDC
Current at full load at 24 V supply	13 A
Output	20 A/ 15 V
DC Ripple	<1% between 10 - 100% of current output. Typically <0,5%
Max heat loss	3W
Humidity	Max 85% relative
Ambient temperature ⁽¹⁾	60° C
Cooling	Air cooled

⁽¹⁾ Autotemp control - If temperature exceeds 65° C, the module will ramp down output until temperature is in a safe range. When the module has cooled down, the output current will be automatically restored.

Automatical Control

Fully controlled by the Thor control system via CAN field bus

Modes of Operation

- Constant current
- Constant voltage
- Constant potential

Alarms

- Hi/ low current, voltage or potential
- Block signal input for interrupt measurement

Casing

- Rugged body constructed from extruded aluminum
- Minimum thickness of 1.5 mm
- Aluminum body - black anodized finish
- Mounts on 35 mm DIN rail in control cubicle

Dimensions

W x D x H mm	80 x 45 x 167
Weight kg	0,4

LED indications

CAN	CAN bus activity
RUN	System heartbeat
INT	Interrupt
OPT	Optional (future use)
ACT	DC current output activated
AL	Alarm
FAN	Fan activated



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