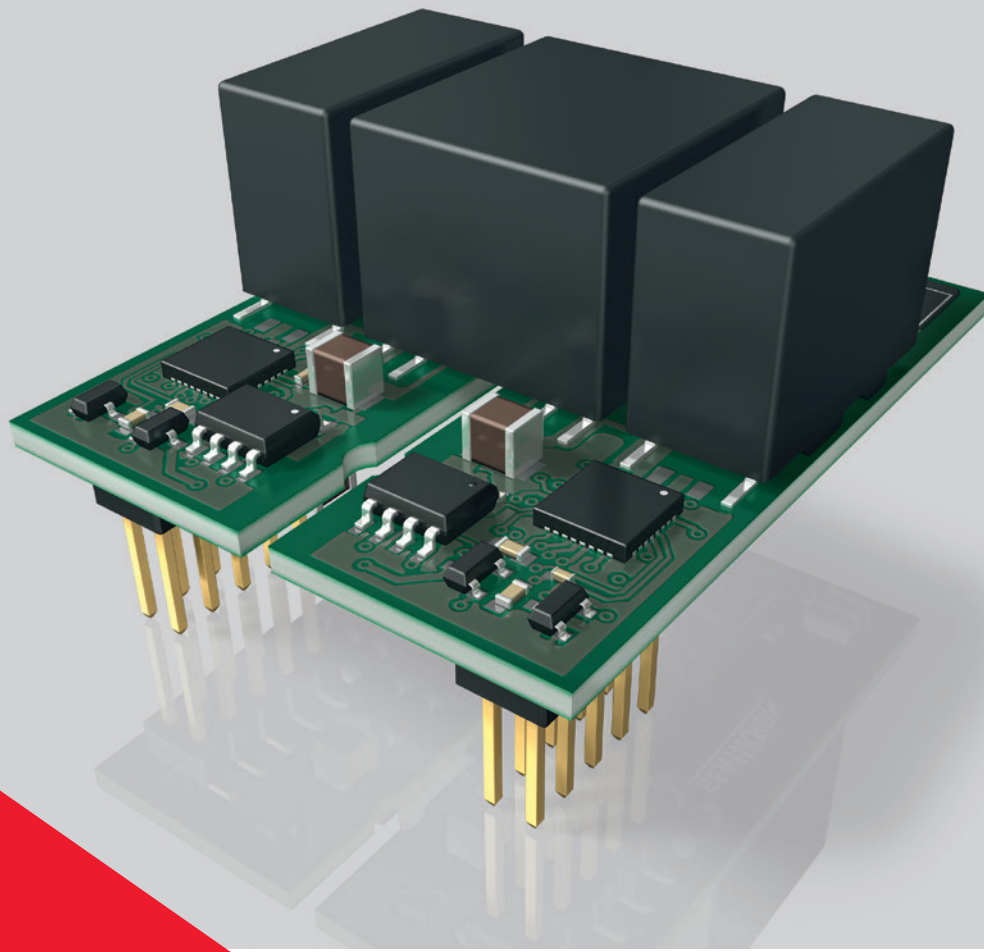


Most Compact Design in Class Operation up to 1500V DC-Link

Coated PV Version Available



SKYPER[®] 12 Core

1.3W & 20A_{peak} per channel

Up to 100kHz

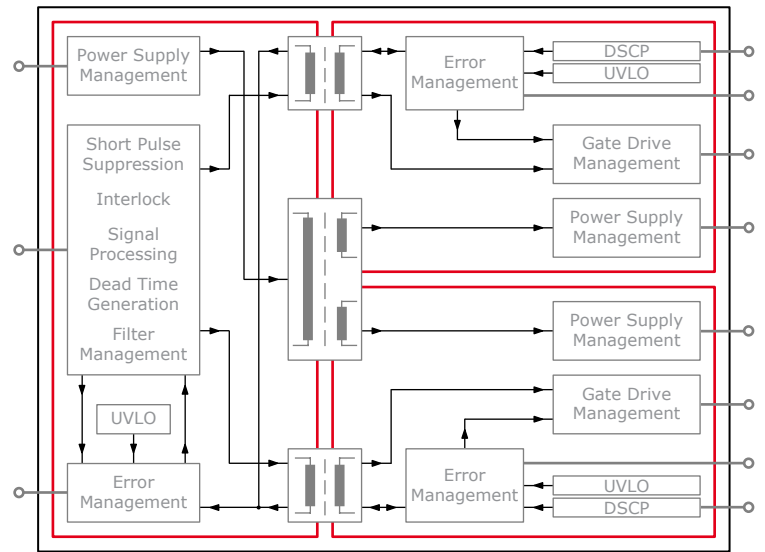


SKYPER 12 Core portfolio

Driver type	P _{out} per channel	Q _{out} per channel	I _{out(peak)}	f _{max}	V _{DC}	V _{isol}	No.
SKYPER 12 R	1.3W	20μC	20A	100kHz	1200V	5kV	L5069901
SKYPER 12 PV R (coated)	1.3W	20μC	20A	100kHz	1500V	5kV	L5070901

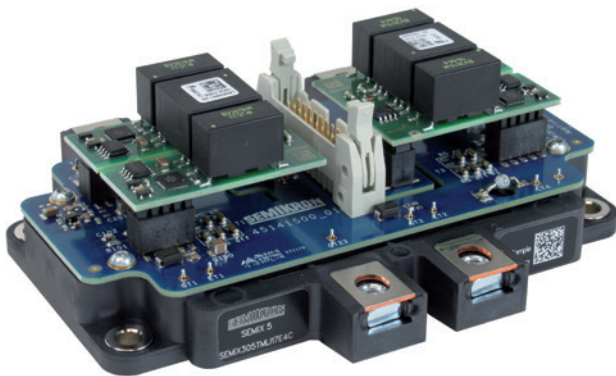
Small and strong

- 20A peak output current capability per channel
- Extended isolation transformer design for PV requirements
- Latest ASIC chipset for up to 12 million hours MTBF at full load
- Short circuit SoftOff operation mode
- Dynamic short circuit detection (DSCP)
- Undervoltage lockout on primary and secondary sides (UVLO)



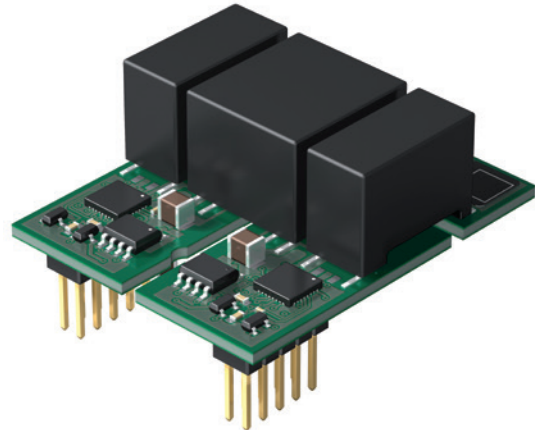
Fast design: Evaluation boards are available for many standard modules

- Application samples for SEMiX 5 NPC/TNPC Press-Fit modules
- Safe semiconductor turn-off in any short circuit condition
- Reference circuits for SEMiX5 modules and SKYPER12 core drivers for up to 1500V



Meets PV application requirements

- Varnished with UL registered conformal coating material
- Extended max DC-Link voltage of up to 1500V
- Compliant with DIN EN 62109-1 and VDE 0126-14-1:2011-04



Key features

Operation up to 1500V DC-link

Dynamic short circuit detection (DSCP)

Soft short circuit turn-off with dedicated output stage (SoftOff)

Selectable input filter time

dV/dt robust pulse transmission for strong EMC immunity

Safe undervoltage turn-off with prim. and sec. voltage monitoring (UVLO)

Isolated error input for e.g. overtemperature or overvoltage lockout

Secondary side isolated power supply included

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NOTE: All information is based on our present knowledge and is to be used for information purposes only. The specifications of our components may not be considered as an assurance of component characteristics.