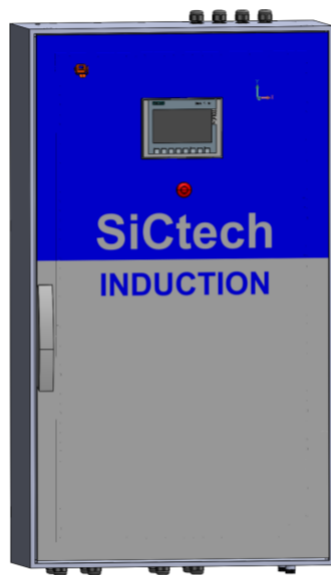


SiCWall

Compact MF/HF Power Supply 12,5 kW to 100 kW



- 12,5..100 kW MF-HF Power Supply
- MF Frequency Range: 5 kHz - 50 kHz
- HF Frequency Range: 20 kHz - 400 kHz
- Efficiency: 98,4% @ 400 kHz
- Single or Multi-Power Port
- Power Regulation: 2..100%



Compact Power Supply for Induction Heating Applications

Total Output Power 12,5..100 kW

Wide Freq. Range 4..50/20..400 kHz

System Based on a SiC MOSFET Transistor Series Inverter

Up to 4 independent power outputs

Connection to a reactive coaxial trafo

Integrates Resonant Network

Extremely High Efficiency

Compact Size & Low Weight

Wall Mounted capability

Integrated Smart Digital Controller

Water Cooling

Applications

- Induction Heat Treatment
- Brazing
- Bold Heating
- Glueing
-

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Reference	SiCWall12k50 SiCC12k400 Single	SiCWall25k50 SiCC25k400 Single	SiCWall25k50 SiCC25k400 Dual	SiCWall50k50 SiCC50k400 Single	SiCWall50k50 SiCC50k400 Dual	SiCWall100k50 Single	SiCWall100k50 Dual	SiCWall100k50 Quad
Total Continuous Output Power	12,5 kW	25 kW	25 kW	50 kW	50 kW	100 kW	100 kW	100 kW
Outputs	#1: 12,5 kW	#1: 25 kW	#1: 12,5 kW #2: 12,5 kW	#1: 50 kW	#1: 25 kW #2: 25 kW	#1: 100 kW	#1: 50 kW #2: 50 kW	#1: 25 kW #2: 25 kW #3: 25 kW #4: 25 kW
Total Intermittent Output Power 50%, 10min	#1: 25 kW,	#1: 50 kW,	#1: 25 kW #2: 25 kW	#1: 100 kW,	#1: 50 kW #2: 50 kW	#1: 200 kW,	#1: 100 kW #2: 100 kW	#1: 50 kW #2: 50 kW #3: 50 kW #4: 50 kW
Output Frequency Range	SiCWallxxk50: 5...50 kHz SiCCWallxxk400: 20-400 kHz							
Efficiency	98,4% @ 400 kHz							
Mains Voltage	400 V _{AC} ± 10 % (Three-Phase)							
Mains Frequency	50 & 60 Hz							
Cos (φ)	> 0,99							
Output Circuits	Series LC							
Heating Station	Coaxial Transformer LT50/LT400							
Inductor Short Circuit	Yes							
Controller	Fully Digital Controller							
Power Regulation Range ⁽¹⁾	2...100%							
Power Setting Time ⁽²⁾	< 1 ms							
Size (W x D x H) in mm	600x350x750	600x350x750	600x350x750	600x350x750	600x350x750	800x300x1.400	00x300x1.400	00x300x1.400
Weight	55 kg	60 kg	75 kg	60 kg	75 kg	145 kg	160 kg	190 kg
Cooling	Water							
Water Max. Temperature	40°C							
Minimum Water including Heating Station	10 l/min	10 l/min	15 l/min	15 l/min	15 l/min	20 l/min	25 l/min	30 l/min
Environmental Temperature Range	+5°C to +40°C							
Maximum Humidity	90%							
User Interface	SiCtech HMI							
Optional User Interface	Siemens HMI KTP700							
Optional Fielbus	ModBus, ProfiNet, ProfiBus,....							

⁽¹⁾ At Nominal Load

⁽²⁾ At Adaptative Mode

SMART INDUCTION CONVERTER TECHNOLOGIES S.L.

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