Brand-new energy saving device

SiC power module RF Induction Power Supply

Warm molding power supply for CFRP

SiC high frequency induction inverter
HPI-Series

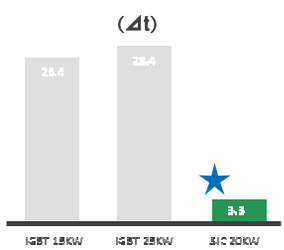
SiC Energization inverter
MEI-Series

SiC power module saves the cost more

This advanced RF induction heating power supply is equipted with updated SiC power module.

Energization inverter power supply heats up and cools down the mold promptly. It will shorten the CFRP forming time. We suggest the best soaking temperature model by the temperature simulation.

No cooling water is required in the inverter module, approx. 30% of utility cost will be saved compared with our current device. For SiC power module heats up slowly, it is effective for continuous operation in high temperature.



Double switing efficiency

Air cooled operation saves energy cost

Quick heating of the mold by the epidermis electricity effect

Rating output	10～200kW
Frequency	1～250kHz (Auto tracing to resonannce frequency)
Output control range	0～100%（continuous）

・ **Comparison with current device**

	IGBT	MOSFET(Si)	MOSFET(SiC)
Frequency	～30kHz	～400kHz	～400kHz
Voltage	1200V	600V	1200V
Resistance	High	High	Small
Feature	inexpensive	Applicable to high frequency, Available to pararel application	Applicable to high frequency, Lower energy loss

DAIHIGHI KIDEN CO.,LTD.
www.d-kdn.co.jp
info@d-kdn.co.jp
Headquarter：〒182-0034 1-54-1, Shimoishihara, Chofu City, Tokyo T：042-488-3312 F：042-488-3420
Ibaraki Plant：〒319-1556 664-53, Hitana Takaratsubo, Nakagoumachi, Kitaibaraki City, Ibaraki Prefecture