

SIZE P220

Power Range 1kW-3kW



“Application Engineering Experts”

CUSTOM IS STANDARD

Total output power (24VDC@40A)	1.0kW	Pri-sec turns ratio	12:2+2
Operating frequency	140 kHz	Dielectric strength	
Input voltage range	180-325 VDC	Pri-sec/pri-core	4,000 VDC
Topology	Forward	Isolation sec-core	500 VDC
Max volt-µsec product	540	Ambient temperature	50 °C
Duty cycle	84 %	Total losses	12 W
Primary current	9.7 Arms	Hot spot temperature	116 °C
Secondary current	26 Arms	Approx. Weight	220 grams

Notes: Assumes transformer is cooled by a coldplate @ 75°C max.

:: DESIGN EXAMPLE ::

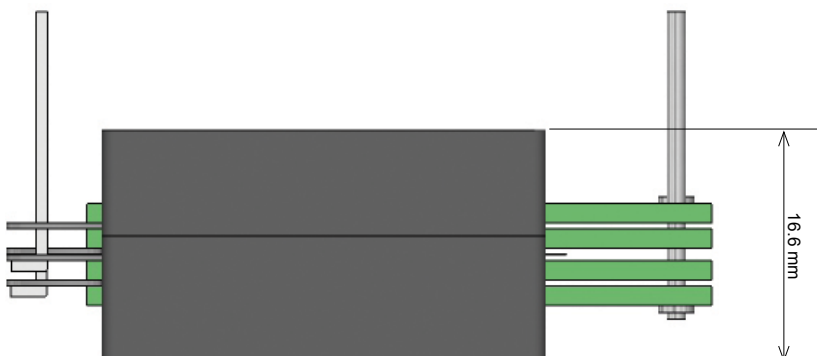
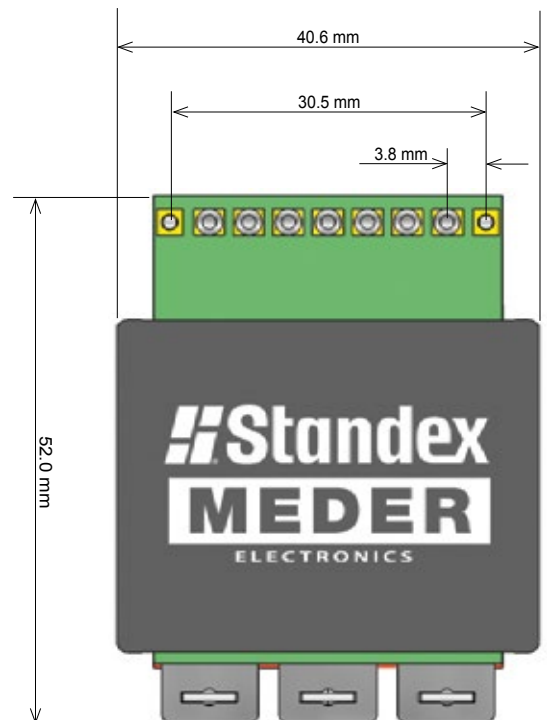
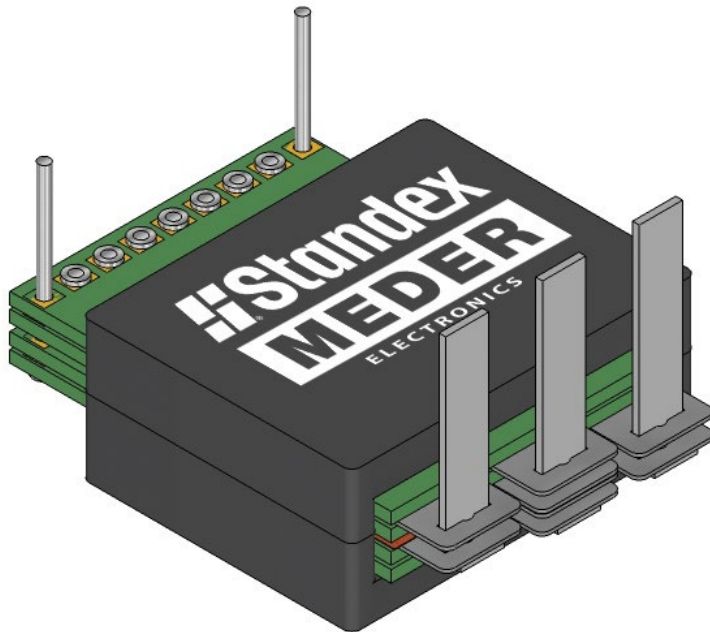
Highlights

- High efficiency (low losses), ultra compact, low-profile
- Excellent solderability (Pb-free or Pb/Sn Solder)
- Standard sizes / customer configurations
- Quick custom turn-around often without start-up or tooling costs
- Inductors available for design in all packages
- Large secondary pins reduce temperature rise on terminals

Customize beyond these examples!

Rated power 1KW-3kW / Frequency range 60-200kHz
 Topology - Full Bridge, Half Bridge, Full Bridge ZVS, Push Pull
 Current rating max. 250A
 Isolation voltage pri-sec/pri-core 500- 5,000VDC
 Soft switching, single or multiple outputs
 Different switching frequencies, input/output voltages
 Primary turns - other number (no fractions)
 Secondary Ns1, Ns2 / Ns3 turns 1- 8 (no fractions)
 Thermal solutions heat sinks, etc.

THROUGH HOLE / J-HOOK MOUNT



These models are for reference only and may NOT exactly match the design examples provided.



SIZE P220

Power Range 1kW-3kW

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CUSTOM IS STANDARD

Total output power (28VDC@71A)	2.0kW	Pri-sec turns ratio	10:1+1
Operating frequency	200 kHz	Dielectric strength	
Input voltage range	180-300 VDC	Pri-sec/pri-core	4,000 VDC
Topology	Fwd Bridge	Isolation sec-core	500 VDC
Max volt-µsec product	716	Ambient temperature	60 °C
Duty cycle	80 %	Total losses	21.7 W
Primary current	15.1 Arms	Hot spot temperature	112 °C
Secondary current	50.2 Arms	Approx. Weight	250 grams

Notes: Assumes transformer is cooled by a coldplate @ 75°C max.

:: DESIGN EXAMPLE ::

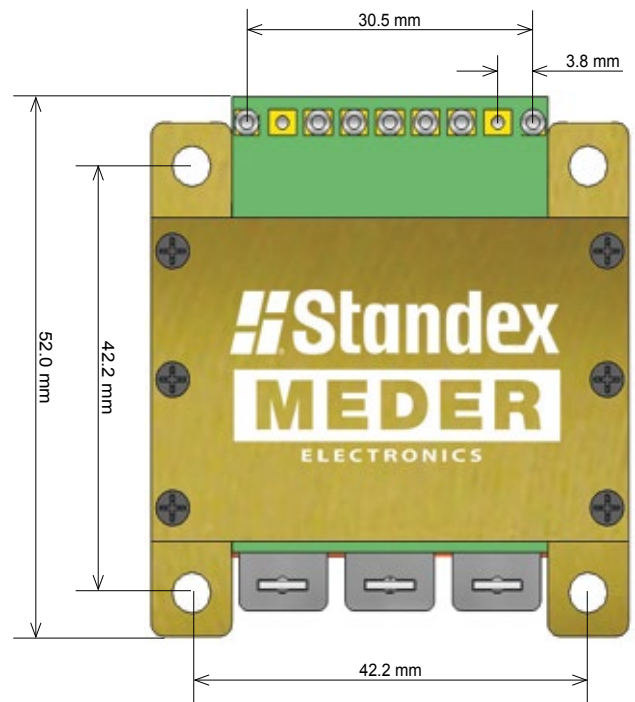
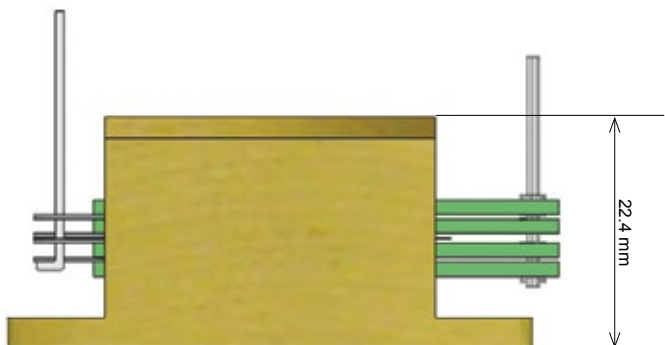
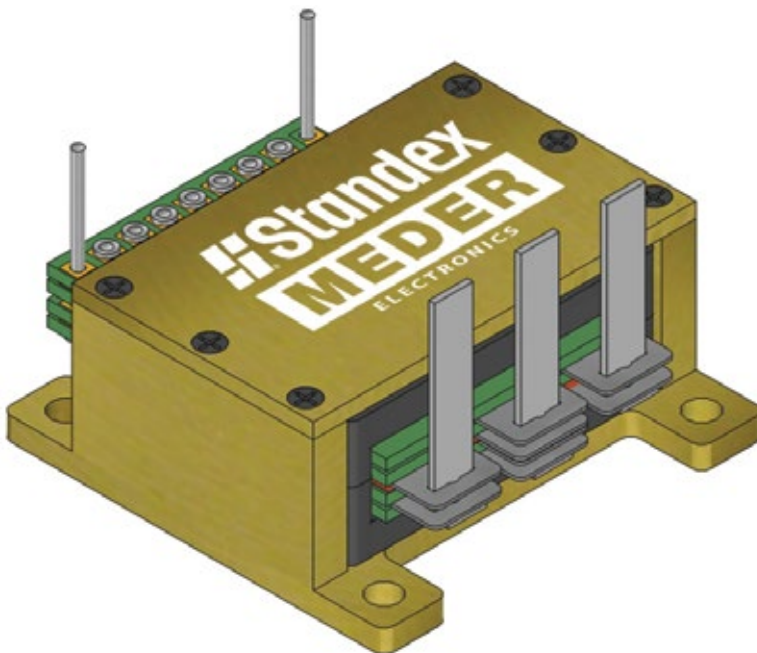
Highlights

- Anodized aluminum heatsinks offering high thermal conductivity and removing heat from windings
- High efficiency (low losses), ultra compact, low-profile
- Excellent solderability (Pb-free or Pb/Sn Solder)
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