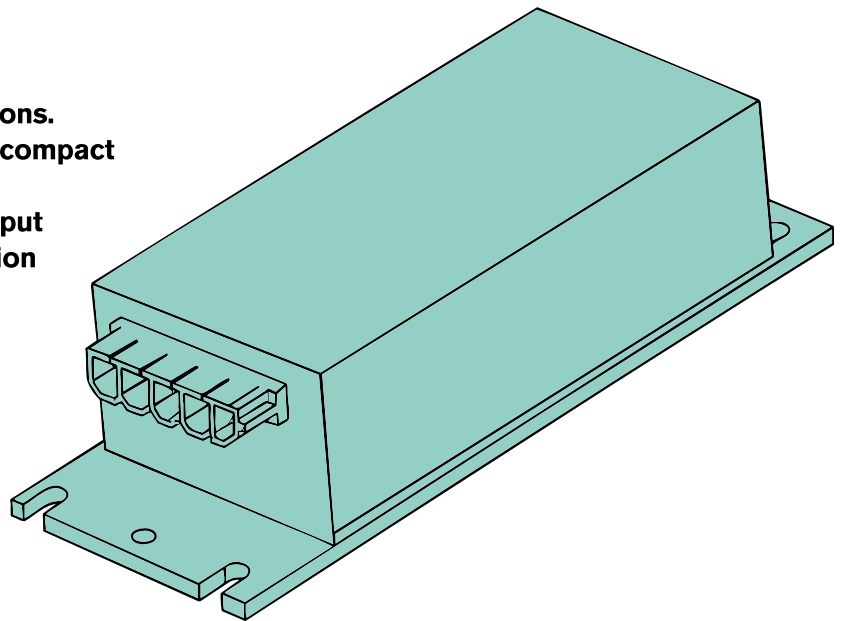


# DDC Series

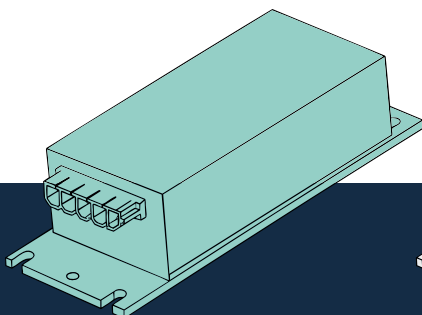
DC/DC  
Converters **DC1** [300W]

## Technical Features

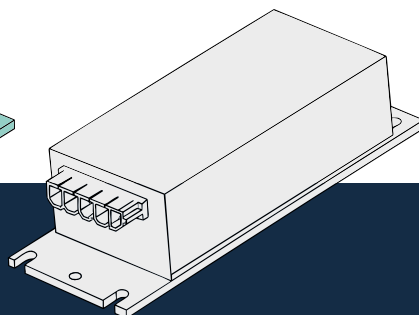
- Suitable for electric vehicle applications.
- Sturdy and efficient design within a compact footprint.
- Isolated and stable 12 or 24 Volt output
- Simpler and more economical solution than inefficient battery.



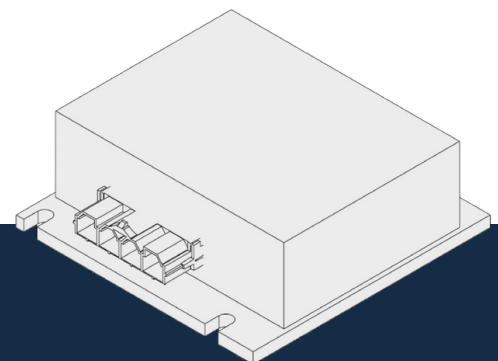
| PART NUMBER | INPUT VOLTAGE [V]                        | OUTPUT VOLTAGE [V] | MAX POWER [W] |
|-------------|------------------------------------------|--------------------|---------------|
| 622/11151   | 20/60                                    | 15.6               | 90            |
| 622/11102   | 240                                      | 24                 | 150           |
| 622/11091   | 24/36                                    | 12                 | 200           |
| 622/11240   | 24                                       | 14.1               | 200           |
| 622/11xxx   | 24, 48, 96,<br>36/48,<br>36/80,<br>72/80 | 12, 13.5, 14.5, 24 | 300           |



**DC1 [300W]**



**DC1 [500W]**



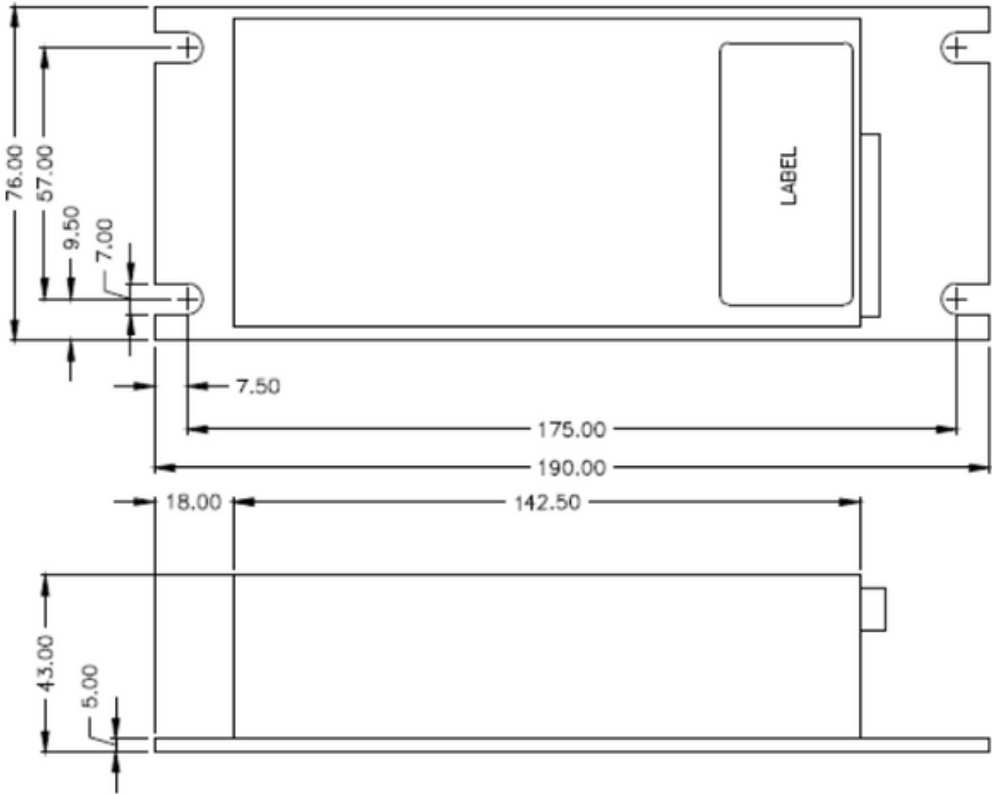
**DC2**

| STANDARDS                |                  |
|--------------------------|------------------|
| Quality                  | ISO 9001:2008    |
| Marking                  | -                |
| EMC                      | EN12895          |
| Safety                   | IEC-950          |
| North American Standards | UL 1950, CSA 234 |

| MECHANICAL          |                 |
|---------------------|-----------------|
| Cooling             | Aluminium base  |
| IP level            | IP67 (Standard) |
| Ambient Temperature | -30°C to +55°C  |
| Storage Temperature | -40°C to +70°C  |
| Humidity            | <90%            |

| SPECIFICATIONS     |                                                          |
|--------------------|----------------------------------------------------------|
| Input Voltage VDC  | 24V [16V – 35V]36/48V [22V – 60V]72/80V [50V – 120V]240V |
| Output Voltage VDC | 12 V, 13.5 V, 14.5 V, 24 V +/-5%                         |
| Peak output power  | 300W                                                     |

| CHARGING APPLICATION SCENARIO |
|-------------------------------|
| Electric Vehicle Applications |



| HOUSING DIMENSION |             |      |
|-------------------|-------------|------|
| L (front) mm      | W (side) mm | H mm |
| 190               | 76          | 43   |

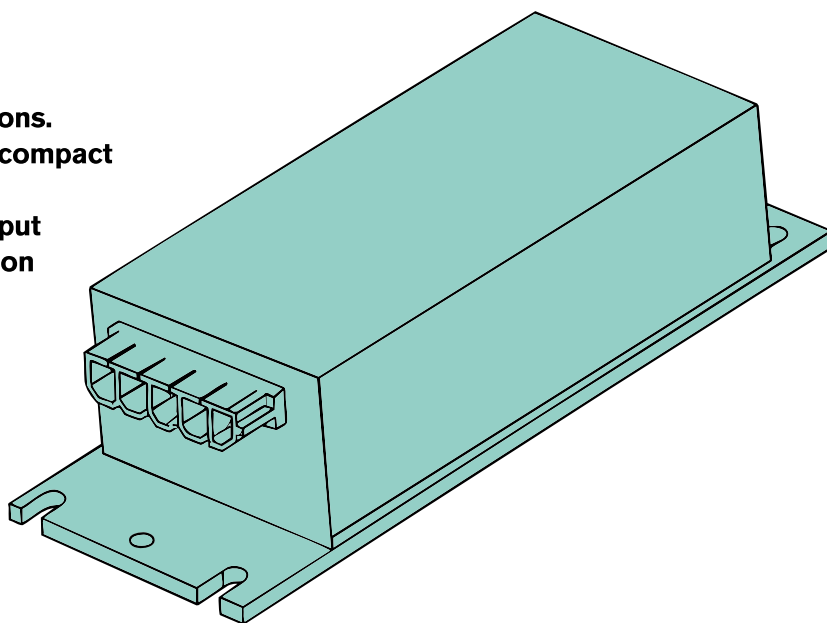


# DDC Series

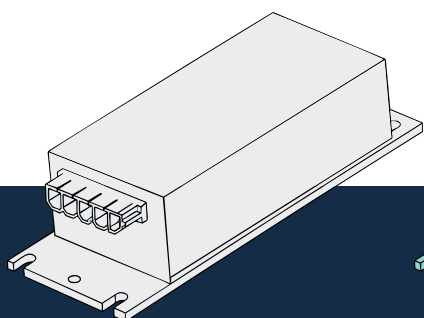
DC/DC  
Converters **DC1** [500W]

## Technical Features

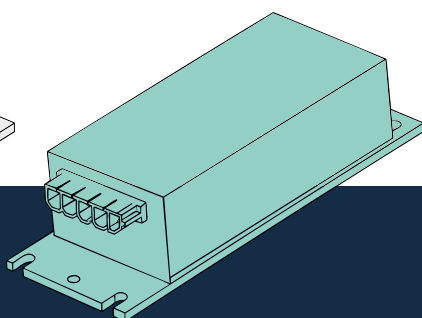
- Suitable for electric vehicle applications.
- Sturdy and efficient design within a compact footprint.
- Isolated and stable 12 or 24 Volt output
- Simpler and more economical solution than inefficient battery.



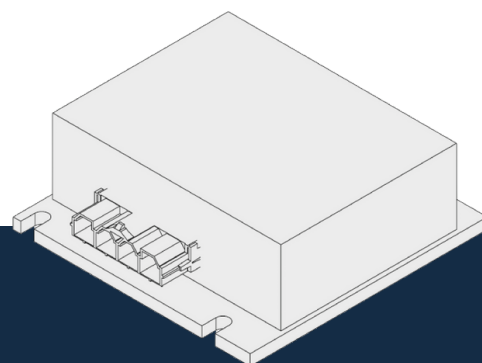
| PART NUMBER | INPUT VOLTAGE [V] | OUTPUT VOLTAGE [V] | MAX POWER [W] |
|-------------|-------------------|--------------------|---------------|
| 622/11212   | 48                | 14                 | 500           |
| 622/11213   | 80                | 13.4               | 500           |
| 622/11213-A | 80                | 13.4               | 500           |
| 622/11214   | 48                | 13.4               | 500           |



DC1 [300W]



DC1 [500W]



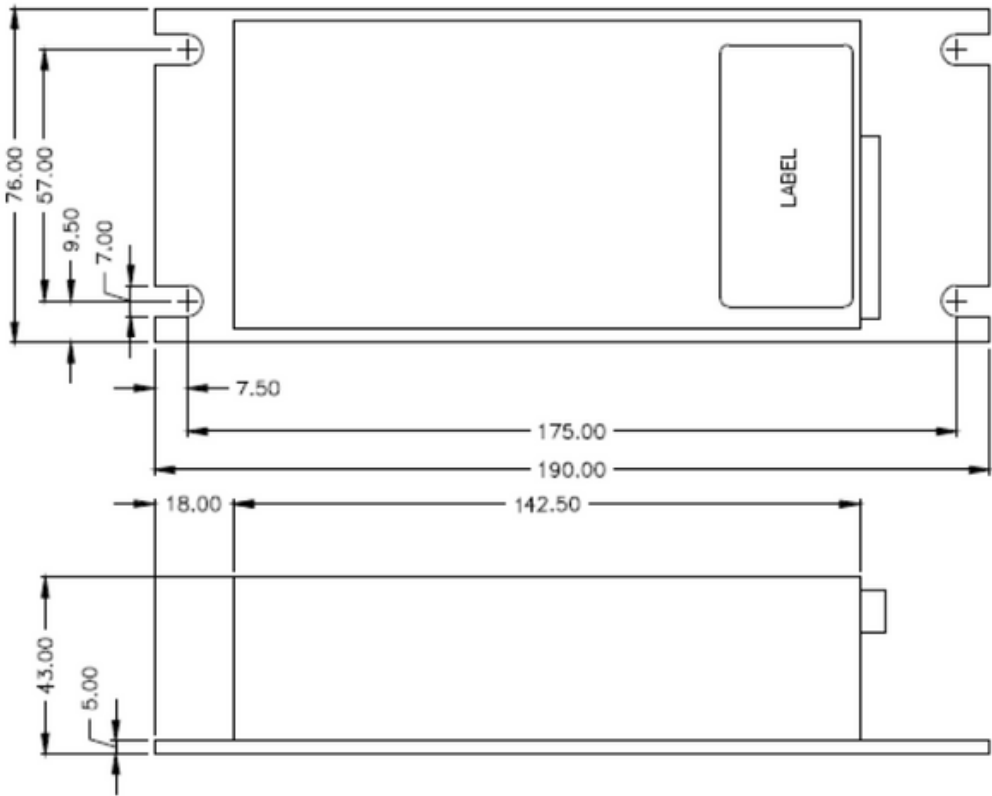
DC2

| STANDARDS                |                  |
|--------------------------|------------------|
| Quality                  | ISO 9001:2008    |
| Marking                  | CE               |
| EMC                      | EN12895, EN55022 |
| Safety                   | IEC-950          |
| North American Standards | UL 583, CSA 234  |

| MECHANICAL          |                 |
|---------------------|-----------------|
| Cooling             | Aluminium base  |
| IP level            | IP67 (Standard) |
| Ambient Temperature | -40°C to +85°C  |
| Storage Temperature | -40°C to +85°C  |
| Humidity            | <90%            |

| SPECIFICATIONS        |                                           |
|-----------------------|-------------------------------------------|
| LineVoltage(VAC) ±10% | 36/48V [22V – 60V]<br>72/80V [50V – 120V] |
| Output Voltage VDC    | 13.5 V, 14.5 V +/-5%                      |
| Peak output power     | 500W                                      |

| CHARGING APPLICATION SCENARIO |
|-------------------------------|
| Electric Vehicle Applications |



| HOUSING DIMENSION |             |      |
|-------------------|-------------|------|
| L (front) mm      | W (side) mm | H mm |
| 190               | 76          | 43   |

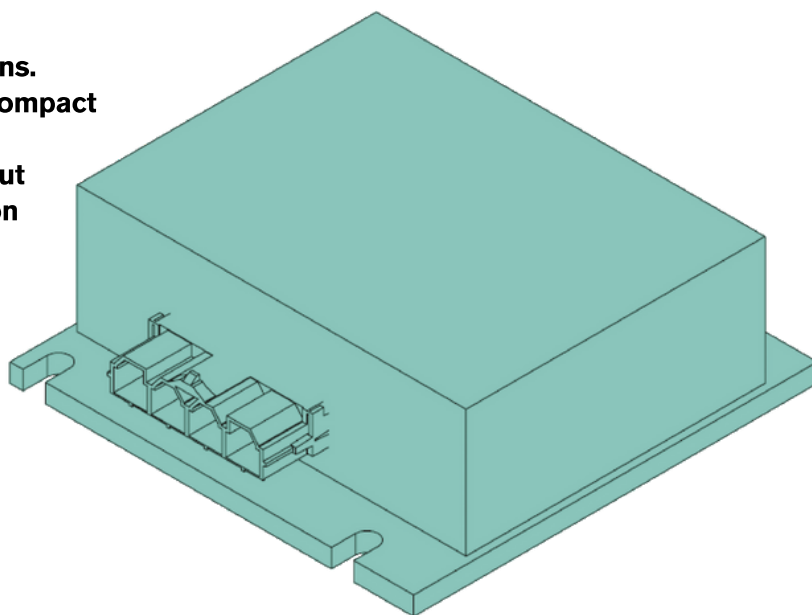


# DDC Series

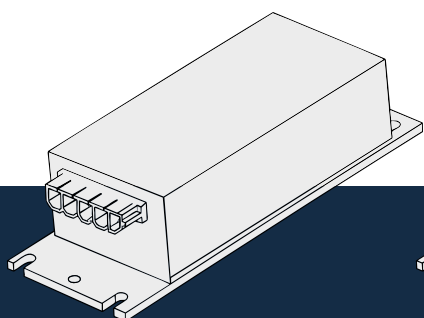
## DC/DC Converters **DC2**

### Technical Features

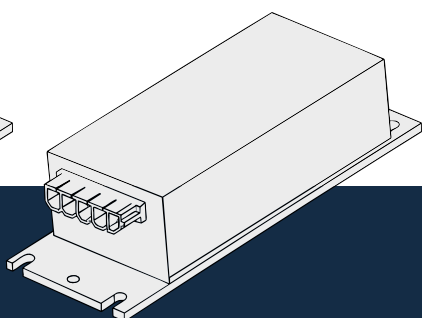
- Suitable for electric vehicle applications.
- Sturdy and efficient design within a compact footprint.
- Isolated and stable 12 or 24 Volt output
- Simpler and more economical solution than inefficient battery.



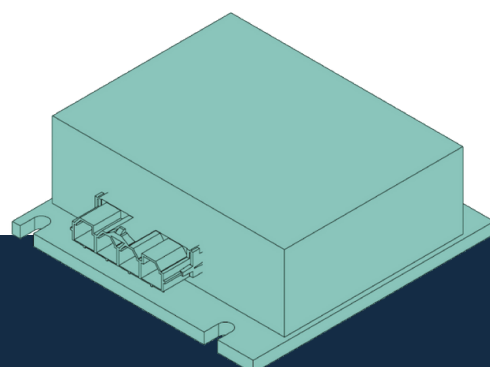
| PART NUMBER | INPUT VOLTAGE [V] | OUTPUT VOLTAGE [V] | MAX POWER [W] |
|-------------|-------------------|--------------------|---------------|
| 622/11153   | 17/112            | 24                 | 175           |
| 622/45003   | 19.2/112          | 13.5               | 400           |
| 622/45007   | 19.2/112          | 13.5               | 400           |
| 622/45001   | 30/120            | 14                 | 450           |
| 622/45002   | 30/120            | 14                 | 450           |
| 622/45005   | 50/130            | 13,8               | 450           |



DC1 [300W]



DC1 [500W]



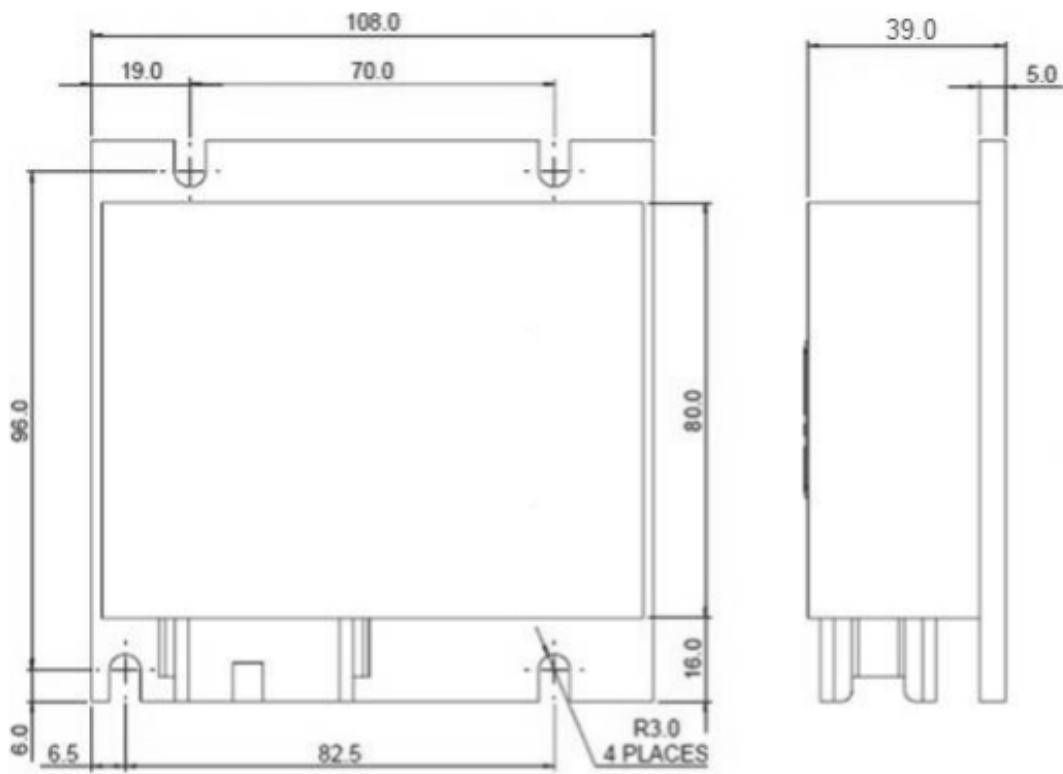
**DC2**

| STANDARDS                |               |
|--------------------------|---------------|
| Quality                  | ISO 9001:2008 |
| Marking                  | -             |
| EMC                      | EN12895       |
| Safety                   | IEC-950       |
| North American Standards | -             |

| MECHANICAL          |                 |
|---------------------|-----------------|
| Cooling             | Aluminium base  |
| IP level            | IP67 (Standard) |
| Ambient Temperature | -25°C to +85°C  |
| Storage Temperature | -40°C to +105°C |
| Humidity            | <100%           |

| SPECIFICATIONS         |                                                              |
|------------------------|--------------------------------------------------------------|
| Line Voltage(VAC) ±10% | [17V – 112V]<br>[19.2V – 112V]<br>[30V – 120V]<br>[50V-130V] |
| Output Voltage VDC     | 13.5 V, 14.5 V, 24 V +/-5%                                   |
| Peak output power      | 450W                                                         |

| CHARGING APPLICATION SCENARIO |
|-------------------------------|
| Electric Vehicle Applications |



| HOUSING DIMENSION |             |      |
|-------------------|-------------|------|
| L (front) mm      | W (side) mm | H mm |
| 108               | 108         | 39   |

