



**ADLEEPPOWER®**  
SINCE 1974 ISO 9001

# E-Vehicle Traction Module



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# E-Vehicle Traction Module

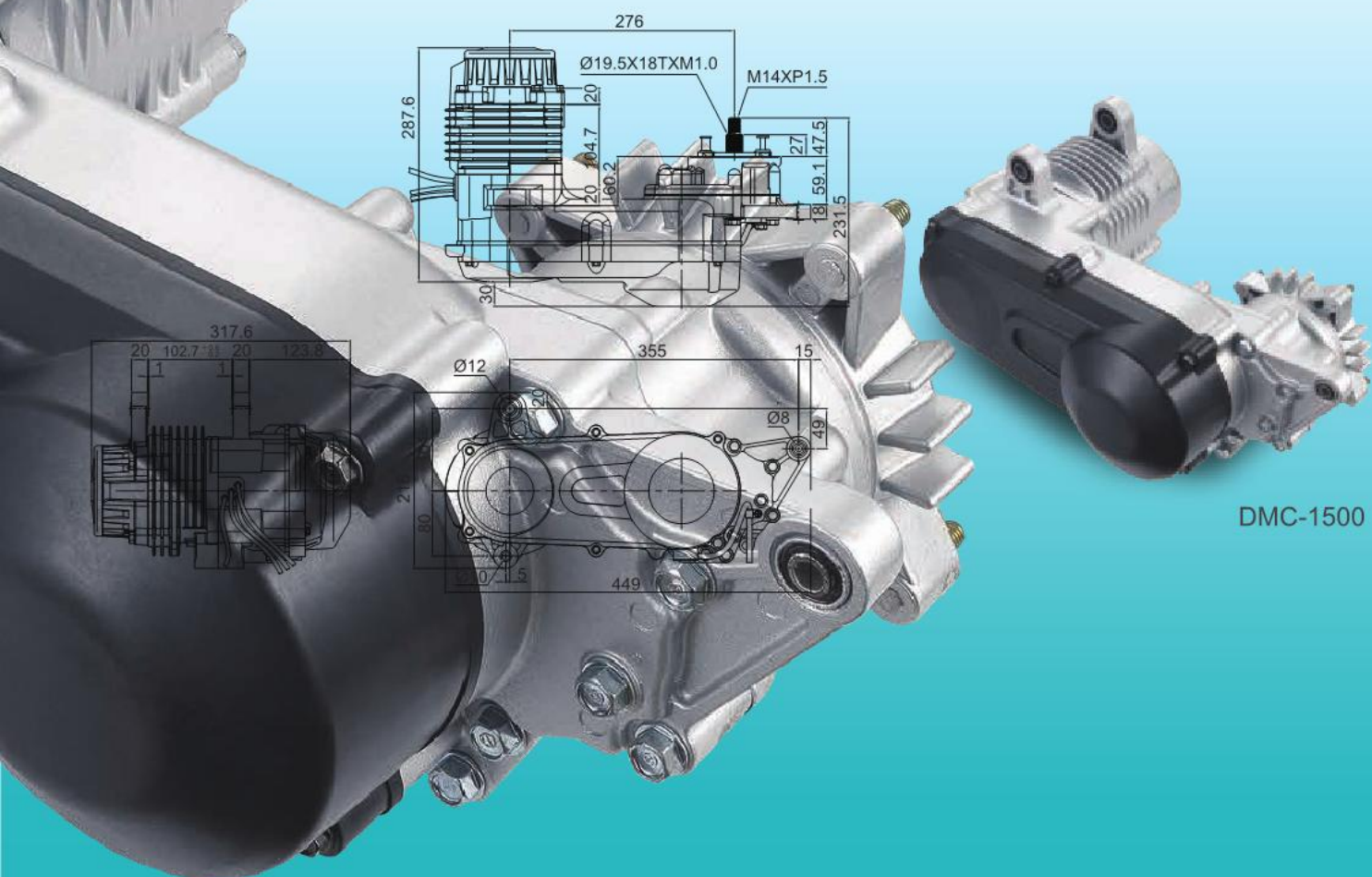
## Product Characteristic

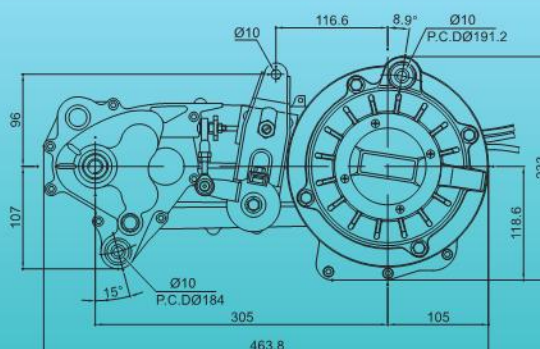
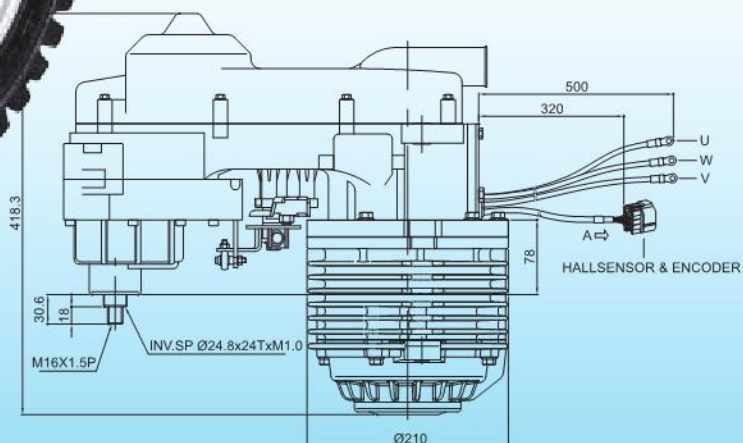
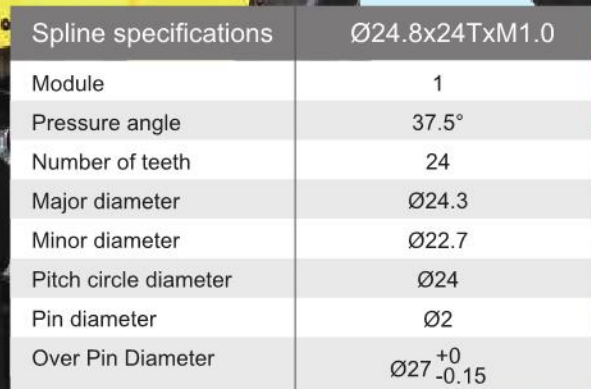
- Re-Generated braking
- Key switch
- Speed command / Torq. Control
- Safety switch
- Forward / Reverse
- Normal / Turbo selection
- Buzzer signals
- Fault LED
- Over current protection
- Motor / Driver over heat protection
- Low voltage protection
- Stall protection
- Motor phase to phase short circuit protection
- Accelerator initial detection
- Li-battery protection
- Power off detection
- RS485 Communication
  - Battery discharge indicator (BDI)
  - Motor or generator mode display
  - Vehicle Speed
  - Vehicle Odometer

## Motor Specification

| Model               | DMC-1000              | DMC-1500              | DMC-4000           |
|---------------------|-----------------------|-----------------------|--------------------|
| Rated Voltage       | 48VDC                 | 48VDC                 | 48VDC              |
| Rate Output         | 1.1KW                 | 1.5KW                 | 4KW                |
| Max. Current        | 62A                   | 110A                  | 175A               |
| Peak Power          | 2.5KW                 | 4.2KW                 | 6KW                |
| Peak Efficiency     | $\geq 92\%$           | $\geq 92\%$           | $\geq 92\%$        |
| Peak Torque         | 5.5Nm                 | 7.2Nm                 | 13Nm               |
| Hi-Torque Range     | $\geq 75\%(\geq 3Nm)$ | $\geq 88\%(\geq 3Nm)$ | $> 90\%(\geq 3Nm)$ |
| Driving Method      | Square Wave           | Sine Wave             | Sine Wave          |
| Max. Reducing ratio | 27.7                  | 27.7                  | 19.5               |
| DMC Dimension       | Fig A                 | Fig B                 | Fig C              |
| Driver Dimension    | Fig 1                 | Fig 2                 | Fig 3              |

- Fig A





Driver Dimensions

Fig 2

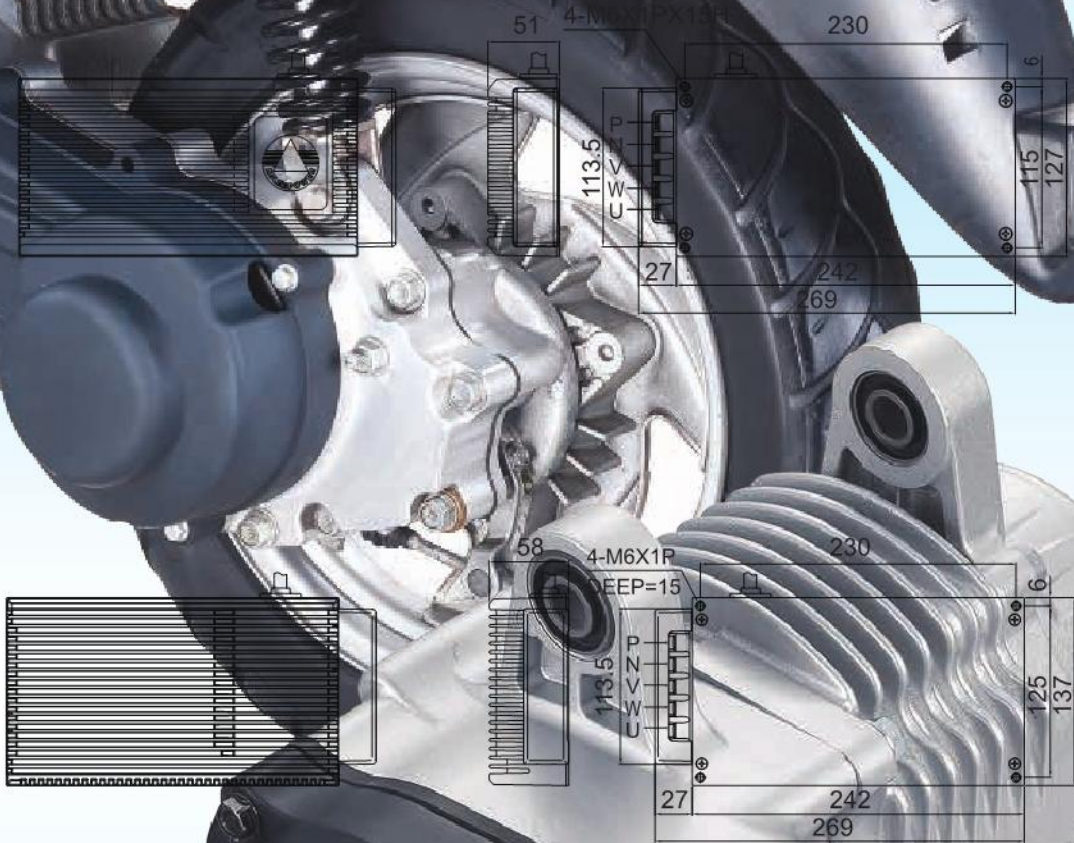
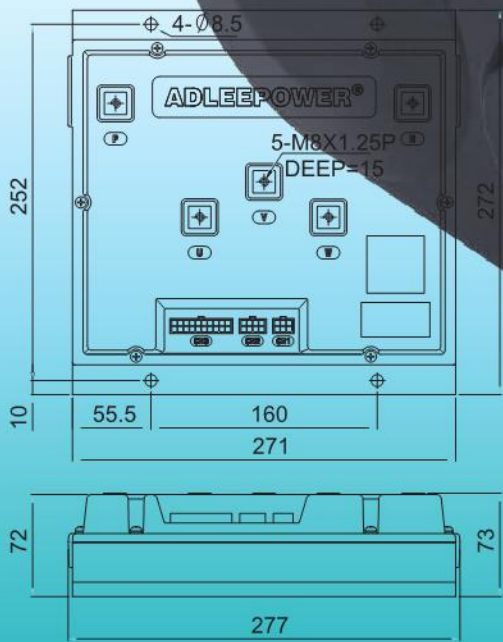


Fig 3



## DMC-1000 / DRIVER



## DMC-1500 / DRIVER



## DMC-4000 / DRIVER



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