

## DC Motor Controller ST-3S Brush DC Motor Controller



## USES

Control of brush motors, series motors for electric tricycle, electric machinery and equipment, recreation vehicle, floor sweeper, system, ceramic machine, throwing cars, brick car, clean cars, solar boats

| ST-3 | S                                                                            | /□ | □ | -□ | -□ |
|------|------------------------------------------------------------------------------|----|---|----|----|
| 1    | 2                                                                            | 3  | 4 | 5  | 6  |
| 1    | Product type                                                                 |    |   |    |    |
| 2    | S: Hall accelerator control; D: Potentiometer control; R: Soft-start         |    |   |    |    |
| 3    | C: Manual cruise function; G: Prevent loss of control; B: Without zero start |    |   |    |    |
| 4    | Rated voltage                                                                |    |   |    |    |
| 5    | Rated power                                                                  |    |   |    |    |
| 6    | Input plug type A: 6.3 plug; B: 2.8 snap spring                              |    |   |    |    |

## USE OF THE ENVIRONMENT

|                                |                              |
|--------------------------------|------------------------------|
| Ambient temperature            | -30~+85℃                     |
| Relative humidity              | +20℃ 98%                     |
| the vibration frequency of the | 3G, 1 ~ 50Hz 0.5mm amplitude |
| Altitude                       | 2000m                        |
| Installation direction         | Random                       |
| International protection       | IP55                         |

## ORDER INSTRUCTION

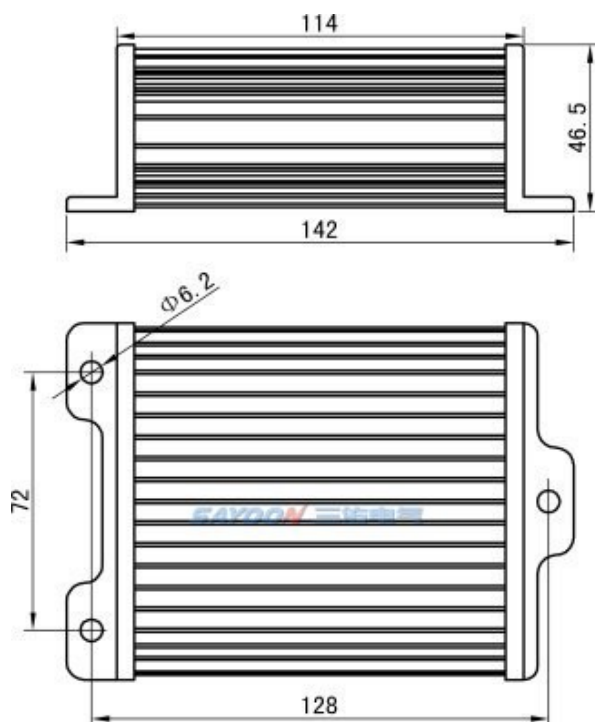
|              |          |
|--------------|----------|
| U.N.W.       | 403g     |
| Package QTY. | 50pcs    |
| Meas.(cm)    | 59*32*31 |
| G.W.         | 25kg     |
| N.W.         | 23kg     |

## TECHNICAL PARAMETERS

(Version 1.46)

| SAYOON Product Type                | ST-3S                                                 |
|------------------------------------|-------------------------------------------------------|
| Rated power                        | 1000W;1500W;2000W                                     |
| Rated voltage                      | 12V;24V-36V;48V-60V;72V;84V;96V                       |
| Rated current(A)                   | 35A;50A;70A                                           |
| Throttle signal types              | 0.8-4.2V; 0-5k                                        |
| Effective control of voltage range | 1.8-3.5V                                              |
| Rated power loss                   | ≤5W                                                   |
| Throttle interface type            | Three-wire 2.8 insert(default), Three-wire 6.3 insert |
| Testing organization certification | CE,FCC                                                |

## INSTALLATION DIAGRAM



## WIRING DIAGRAM

