

SASUNTOUR — **H/ESC**
Human Electro Synergy Components



- 1 SR SUNTOUR 250W Silent Hub Motor
- 2 SR SUNTOUR eccentric torque sensor crank
- 3 SR SUNTOUR controller unit
- 4 SR SUNTOUR LI-ion battery pack
- 5 SR SUNTOUR detachable LCD display



SR SUNTOUR — **HESC**
Human Electro Synergy Components



Human - Electro - Synergy - Components by SR SUNTOUR

With environmental concern shifting from claim to action, electric bikes are adopted by more and more consumers as a welcome alternative way of mobility.

During the last 18 months, SR Suntour has consistently furthered its commitment, supporting the bicycle movement by constantly evolving what has become a complete components range for electric bikes.

The bicycle is one of the most effective and ecological ways of transportation.

The combination of human and electric power is the key to get more people riding bikes. Getting more people riding bikes is the key to solve or at least ease a lot of environmental issues.

This is what we as SR SUNTOUR believe in!

Therefore we are proudly introducing our new SR Suntour **Human Electro Synergy Components**, short **HESC**

HESC is You - bringing your kids to the kindergarden



HESC is You - commuting door to door



HESC is You - hauling groceries



HESC is You - staying healthy



HESC - 250W / 36V front hub motor

Part No. EBHM-SL01-700

Key Facts:

- Silent system
- 250W / 36V
- Over locknut dimension (O.L.D.) 120mm
- Very smooth and silent running performance
- DC brushless type
- Built in speed sensor
- Sealed „All in One“ plug connection
- Freewheel function
- Special stopper design for better power transmission and interface strength

Colour:

- Matt Silver
- Silver
- Black (optional)



Weight: 2950g



HESC - detachable LCD display

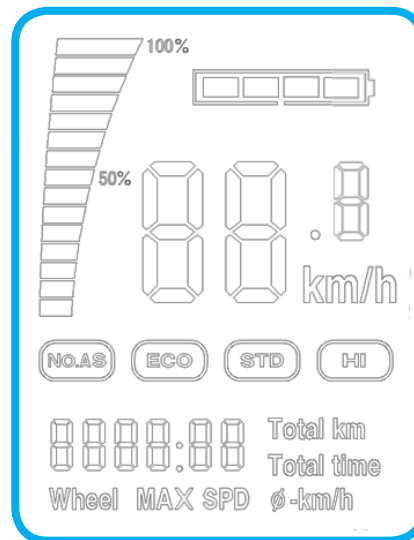
Part No. EBDP-SRS01

Key Facts:

- 2 buttons make it easy to operate
- a large LCD display
- Bright, built in LED backlight (60 x 40 B/W LCD)
- Power cut off sensor kit (connected to brake lever)
- Push up support knob
- Auto switch of function (after 10min)
- Dimensions 90 x 64 x 18

Distances:

- ECO = 66km
- STD = 48km
- HIGH = 40km



Weight: 110g



HESC - torque sensor crank / BB

Part No. EBTS-SRS01

(internal gear system)

Key Facts:

- Eccentric cam based torque sensor system(magent and Hall sensor)
- Teeth number 43T
- 170mm alloy crank arms
- Internal gear system only
- index type chain tensioner included



Weight: 255g

Key Facts BB:

- Cartridge type
- Internal gear system only
- 330g



Weight: 110g

Part No. EBBB11-AST-SR-150C-CBT

HESC - controllers

Key Facts Torque Sensor Type:

(internal gear hub system)

- Eccentric torque sensor type
- To be used with SR Suntour eccentric torque sensor crank only
- DC-DC converter for lighting system included

Part No. EBCT-SRS01

Part No. EBCT-SRS02-C (Curana rear carrier type controller)

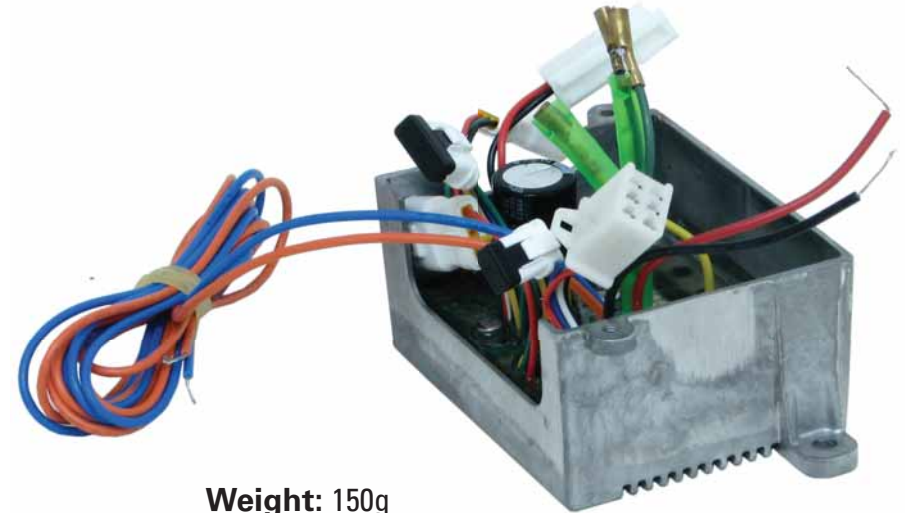
Key Facts TMM Sensor Type:

(external derailleur system)

- TMM4 sensor type
- To be used with any conventional crank arm
- DC-DC converter for lighting system included

Part No. EBCT-SRSI01

Part No. EBCT-SRSI02-C (Curana rear carrier type controller)



Weight: 150g



HESC - LI-ion battery packs + charger

Part No. EBBA-SY36-F

Key Facts flat type battery:

- Standard frame with special rear carrier
- LI-ion battery
- 36V / 8 AH (UR18650E cells usage 10S4P)
- Charging Cycles min. 500
- Charging time 100% = 2,5h / 80% = 2h
- Built in battery checker (LED indicators)
- 53 x 117 x 318mm

Key Facts flat type battery charger:

- Input voltage AC100V-240V
- Input frequency 50/60Hz
- Input capacity 150VA
- Output DC 41.5V - 2.95A
- Operating condition 0°-40°



Weight: 2,8kg



Part No. EBBC11-LI36SR01



HESC - LI-ion battery packs + charger

Part No. EBBA-ST36-U

Key Facts up-right type battery:

- Special Frame required
- LI-ion battery
- 36V / 9.0AH (CGR18650CG cells usage 10S4P)
- Charging Cycles min. 500
- Charging time 100% = 2,5h / 80% = 2h
- Built in battery checker (LED indicators)
- 274 x 81 x 318mm



Weight: 2,8kg



Key Facts up-right type battery charger:

- Input voltage AC100V-240V
- Input frequency 50/60Hz
- Input current 1.2A
- Output DC 29.2V - 2.0A
- Operating condition 0°-40° / 20% - 85% RH



Part No. EBBC11-LI36SRT02

HESC - suspension fork

- Extra thick drop outs to absorb the motor torque
- 50/63mm travel
- 120mm pitch O.LD.
- Specific design for SRS hubmotor
- Coil spring with preload adjust
- Alloy monoque bottom case

Part No. SF11-NVX-HE 700C



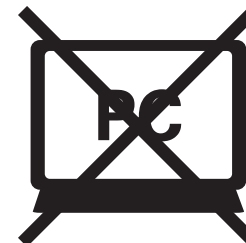
HESC - service structure

A good service is the key to success. SR Suntour offers a worldwide service network throughout own SR Suntour subsidiaries and local distributors. On top of that our products are strictly designed to be serviced quickly. Adapting our cartridge quick service technology from our suspension fork line up integrating it into our electric bike products brings the possibility to service our electric bike products locally.

Additionally to that we have designed an intelligent error report program which will bring up error codes on the display in case something went wrong. Having that the dealer will be able to take first action. This diagnostic system does not require a PC or laptop to hook up to which it makes easy and fast.

SR Suntour service structure and error message report system (EMRS):

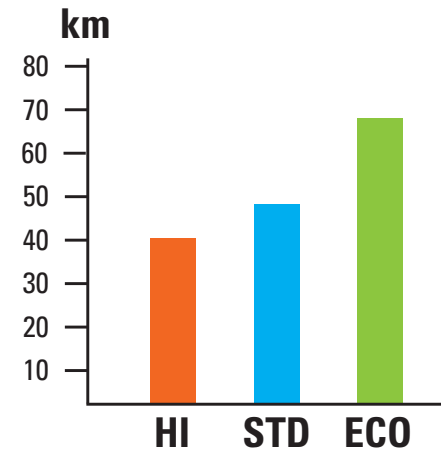
- Worldwide service structure
- Quick Service Product (QSP) technology
- Error message report system
- No PC or laptop required for first diagnosis



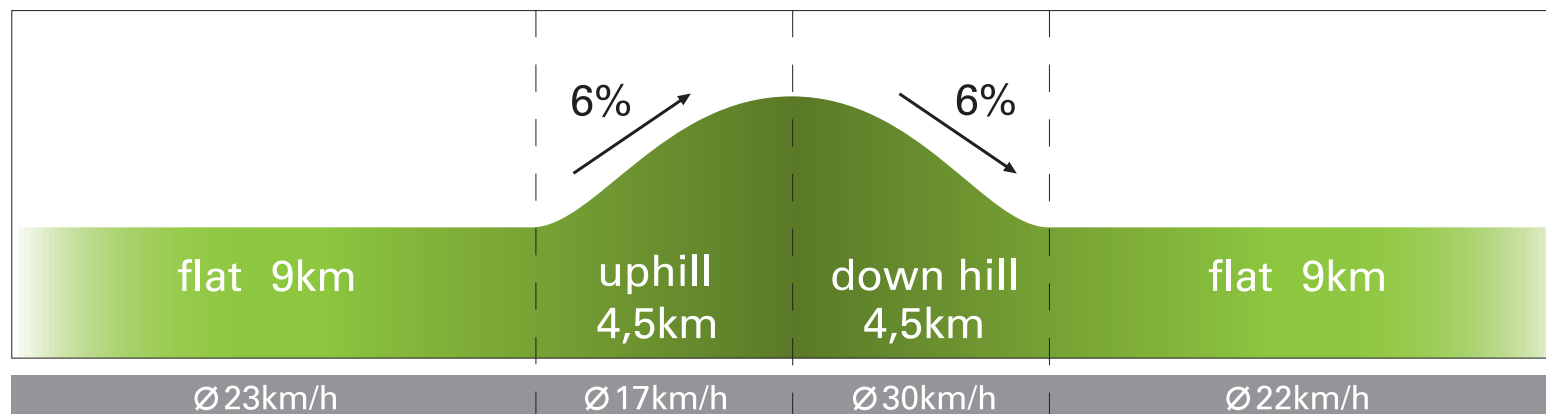
HESC - riding distance information

The riding distance of an electric assisted bike is one of the key features and the same time most critical information of each ebike/pedelec system. To provide you with reliable and comparable data concerning the riding distance we developed our own in-house test method for all of our HESC products. Each new generation of our HESC components has to run through this test before we release the products to the customer. Below you will find an explanation of our test criteria, they will give you information about the rider's weight, bike weight and most important the road profile which our test riders go through multiple times.

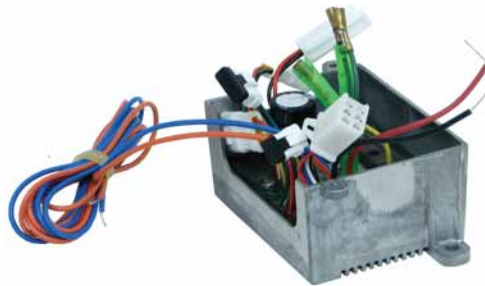
Covered Distance: FULL CHARGE → 0% REMAINING CAPACITY	
rider's weight	72kg
bike weight	25kg
Battery	Average Distance
Mode	
HI	40km
STD	48km
ECO	66km
NOTE: Charging time till full capacity 2h-3h	



road profile



HESC - groupset



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