

Pedal de JonaSun Type-2020 SPEC



Flame : Made by US CATRIKE ROAD AR
Motor : MITSUBA Prototype
Pedal generator: MITSUBA Prototype
Controller: Onozuka Seiki Prototype
Solar panel : Sunpower Flexible Solar Panel SN-HETFE170W
MPPT : Namikoshi Electronics Boost type PT-209U
Battery: Lithium Ion Battery made by SAIKI for WSBR exclusive product
2 series x 2 parallel Total weight 4 kg
Average voltage: 53.2V 18Ah Total capacity (957.6Wh)
Usable capacity of 12Ah in actual driving. (638.4Wh)
Continuous maximum discharge current 36Ah
Tire : Front: IRC 20inch Rear: BS ECOPIA 14inch
Wheel : Front: Bicycle spoke type Rear: GH Cruft CFRP 14inch
Trailer : Made by Oskar-Bebhut One Wheel Cargo Trailer.



Seat is a racing kart type CFRP
Equipped with a mudguard cover for driving on public roads
Pursuing the best position for long-term continuous driving



Pedal generator: MITSUBA prototype. Load adjustment is a digital dial type. Free choice according to the rider's leg strength.
Rotation speed is also free. Power generation amount changes depending on load and rotation speed



Motor changed from 2020 model to high torque prototype for Hokkaido tour.
The wheel is a carbon wheel made by GH Craft, which was developed for solar car competition.
Rear tire is BS ECOPIA solar car exclusive 14inch.



Operation system:
accelerator: Right grip upper
accelerator volume type.
Right grip: Main switch
Speed meter
Headlight switch
Ammeter • BATT integrator
iPhone-Navi



HEAD LIGHT

LED headlights equipped for driving on public roads.

Power is supplied independently from the main battery via a DCDC converter.



Batt voltmeter:

Lithium-ion Batt voltage monitoring voltmeter is displayed with an independent power supply (9V)



Left hand grip operation switch:

Hazard ST

Turn signal ST

Horn ST

Transceiver PTT

Solar panel ST

Solar panel power meter



ST that adjusts the load of pedal power generation.

You can choose the load according to the rider's leg strength regardless of the slope and wind direction.



Regenerative braking volume ST is placed at the grip end.

Dial operation is possible while holding the grip



Maximum speed is 50km / h

Optimal cruising speed is 35-40km / h

In fine weather, 1 set of battery can run over 100km