TABUCHI ELECTRIC

EIBS

Eco Intelligent Battery System

Hybrid Solar Inverter & Lithium-ion Battery





EIBS features:

- ▶ 3 MPPT 5.5kW solar inverter
- ▶ Bi-directional DC/DC converter for the battery
- Automatic transfer switch
- ▶ Battery charge controller (Battery Management System)
- ▶ 9.89kWh lithium-ion battery
- Solar, battery, and whole house monitoring
- Dynamic Demand Response

Hybrid Solar Inverter Specifications

600V
3000W
70 - 550V
3
12.5A
15A

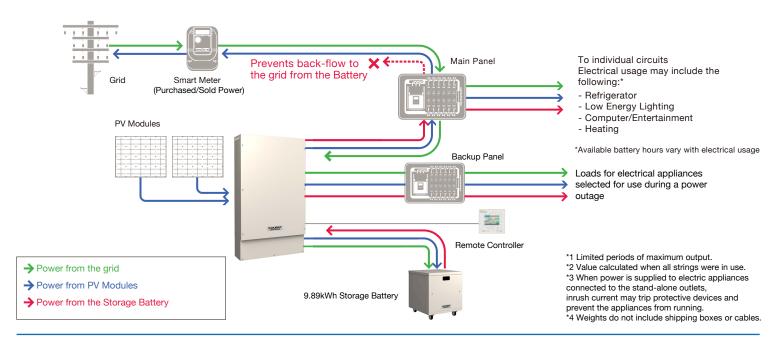
Charge / Discharge (DC: Battery)	Grid-tied operation	Stand-alone operation
Number of input circuits	1 circuit	1 circuit
Charge power	1.5kW *1	1.5kW *1
Discharge power	2.0kW *1	2.0kW *1
Conversion method (Charge)	PWM method by power command (Constant current, Constant voltage control)	Bus voltage stablization PWM method (Constant current, constant voltage control
Conversion method (Discharge)	PWM method by power command	Bus voltage stablization PWM method

Output (AC: Grid-tied)	
Grid connection type	Split • ϕ /3W
Conversion method	Voltage type current controller method
Rated output power *2	5500W
Rated AC voltage	240V
Nominal AC voltage range	AC211.2V-264V
Grid frequency range	60Hz / 56.0Hz to 64.0Hz
Max. output current	22.9A
Power factor at rated output power	≥ 0.95

Output (AC: Stand-alone)				
Connection Type	Single phase 2-wire			
Conversion method	Voltage type voltage controller method			
Max. output power	2.0kVA *3			
Rated output voltage	120±5V			
Efficiency (Solar)				
Max. efficiency	95%			
OFO F#:-:	TDD			

General Data	
Inverter Dimensions W x H x D	680 x 1200 x 250 mm (26.8 x 47.2 x 9.8 in)
Inverter Weight	65Kg (143.3lb)*4
Battery Dimensions W x H x D	580 x 600 x 551.5 mm (22.8 x 23.6 x 21.7 in)
Battery Weight	110Kg (243lb) *4
Operating temperature range	-20° C to + 40° C (Inverter)
Topology	Transformerless
Cooling concept	Active cooling (fan)
Enclosure Rating	Inverter = NEMA 3R (equivalent), Battery = Indoor

Features	
Remote Controller	Accessory
Communication Interface	RS-485
Certification	UL1741/1699B/60950-1, CSA C22.2. No 107.1/No. 60950-1, IEEE 1547a, CEC, Hawaii requirement, FCC class B
Advanced inverter function	Upgradable



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