

# TABUCHI ELECTRIC



## Eco Intelligent Battery System (EIBS) EIBS16GU

### Hybrid Solar Inverter & Lithium-Ion Storage Battery

#### All-in-One Solution includes:

- Battery: 9.89 kWh Total Energy / 7.4 kWh Usable Energy
- Solar and battery control
- High efficiency DC-coupled system
- Built-in automatic transfer switch
- 3 PV string-level MPPTs
- Backup power for critical loads/appliances
- Complimentary solar, battery, and consumption monitoring

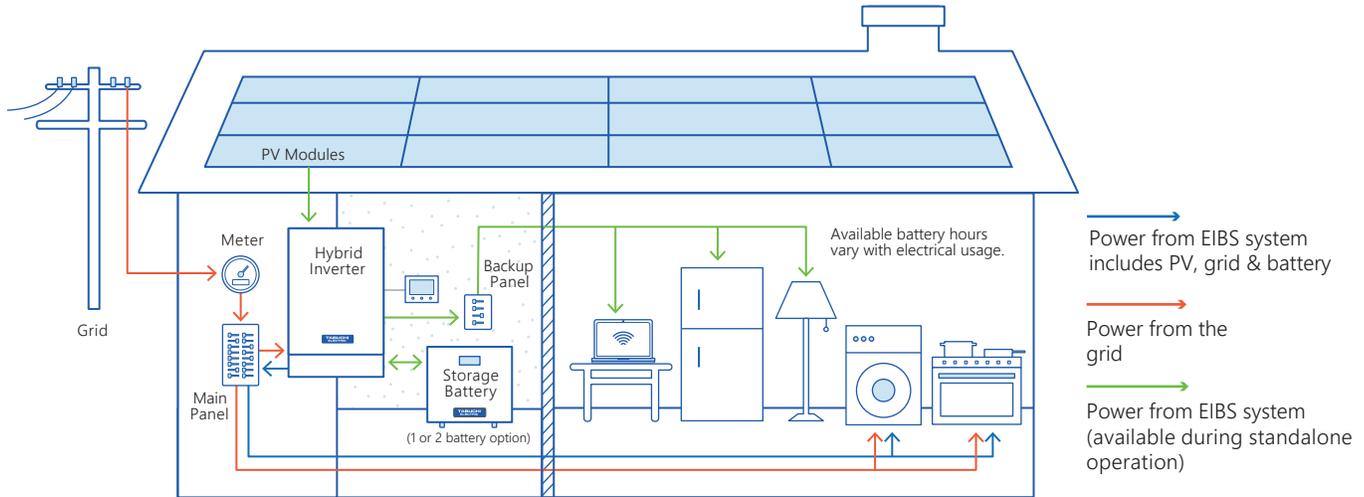
#### Optimized Energy Management Settings:

- Self-consumption
- Demand Charge
- Time-of-Use (TOU)
- Non-export available
- Home microgrid option



System Model: EIBS16GU

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True hybrid all-in-one Solar + Storage system optimized for easy and efficient installation and energy management.

## Hybrid Inverter & Battery Specifications

### System Components

**System Name:** EIBS16GU  
**Inverter:** THD-S55P3B-US  
**Battery:** EOW-LB100-PNUS2

### Input: DC (Photovoltaic)

Open-circuit input power per string	DC 600V
Max. usable input power per string	2500W
MPPT operating voltage range	DC 80 to 550V
Number of independent MPPTs	3
Max. operating input current per string	12A
Max. short-circuit PV input current	15A

### Output: AC (Grid-tied)

Connection Type	Split phase 3-wire (L1, L2, N)
Nominal AC Power	5500W
Nominal AC voltage	AC 240V
Operating AC voltage range	AC 211.2V to 264V
Grid frequency range	60Hz / 58.0Hz to 62.0Hz
Max. output current	22.9A
Power factor at rated output power	≥0.95

### Output: AC (Stand-alone)

Connection Type	Single phase 2-wire (L, N)
Nominal output voltage	120V±5%

### Charge/Discharge: DC (Battery)

	Grid-tied	Stand-alone
Number of batteries	1	1
Charge power	1.5kW	1.5kW
Discharge power	2.0kW	2.0kW
Available capacity	7.4kWh	7.4kWh

### Efficiency

Max. efficiency	95.5%
CEC efficiency	94.5%

### General Data

Inverter dimensions (WxHxD)	680x1200x250mm (26.8x47.2x9.8in)
Inverter weight	68kg (149 lbs)
Battery dimensions (WxHxD)	580x600x551.5mm (22.8x23.6x21.7in)
Battery weight	110kg (243lbs) per battery
Operating temperature range (Inverter)	-20°C to + 40°C (-4°F to + 104°F)
Inverter cooling	Active cooling (fan)
Enclosure rating	Inverter = NEMA3, Battery = Indoor

### Standards and Certifications Compliance

Inverter	Compliant with requirements for: UL1741 SA/UL1699B/UL60950-1/CSA C22.2 No. 107.1, No. 60950-1/IEEE 1547.1/CEC-listed (Rule 21)/HECO-listed (Rule 14H)/FCC class B
Battery	UL 1973, CSA C22.2 No. 60950-1

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