



# TABUCHI ELECTRIC

## Eco Intelligent Battery System - EIBS16GU2 Series EIBS16GU2 & EIBS16GU2 PLUS

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

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

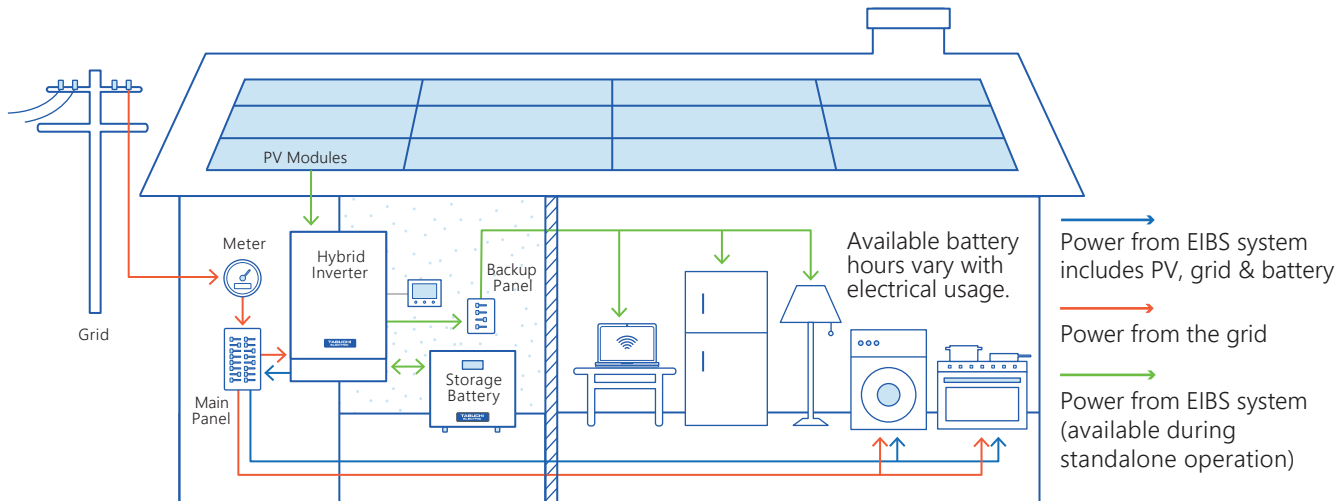
- Battery: 19.78 kWh Total Energy / 14.8 kWh Usable Energy
- Solar and battery control
- High efficiency DC-coupled system
- Built-in automatic transfer switch
- 3 PV string-level MPPTs
- Backup power for critical electrical loads/appliances
- Complimentary solar, battery, and consumption monitoring

#### Optimized Energy Management Settings:

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



System Model: EIBS16GU2/EIBS16GU2 PLUS  
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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:	EIBS16GU2	EIBS16GU2 PLUS
Inverter	THD-S55P3BB-US	THE-S55P3BB-USW
Battery	EOW-LB100-PNUS2 x 2	
Combiner Box	TOD-BCU-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)	EIBS16GU2	EIBS16GU2 PLUS
Connection Type	Single phase 2-wire (L, N)	Single phase 2-wire*1 (S1, S2)
Nominal output voltage	120V±5%	240V±5%

\*1: External isolation transformer is required.

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Charge/Discharge: DC (Battery)				
	EIBS16GU2		EIBS16GU2 PLUS	
	Grid-tied	Stand-alone	Grid-tied	Stand-alone
Number of batteries	2	2	2	2
Charge power	3.0kW	3.0kW	3.0kW	3.0kW
Discharge power	4.0kW	3.3kW	4.0kW	4.0kW
Available capacity	14.8kWh	14.8kWh	14.8kWh	14.8kWh

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)*2/FCC class B
Battery	UL 1973, CSA C22.2 No. 60950-1
System	ANSI/CAN/UL9540

\*2: EIBS16GU2 only.