



TABUCHI ELECTRIC

Eco Intelligent Battery System [EIBS] Hybrid Solar Inverter & Storage Batteries

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

All-in-One Solution includes:

- Solar and battery control
- High efficiency DC-coupled system
- Built-in automatic transfer switch
- 3 PV string-level MPPTs
- Lithium-ion Batteries
- Complimentary solar, battery, and consumption monitoring
- Backup power for critical electrical loads/appliances

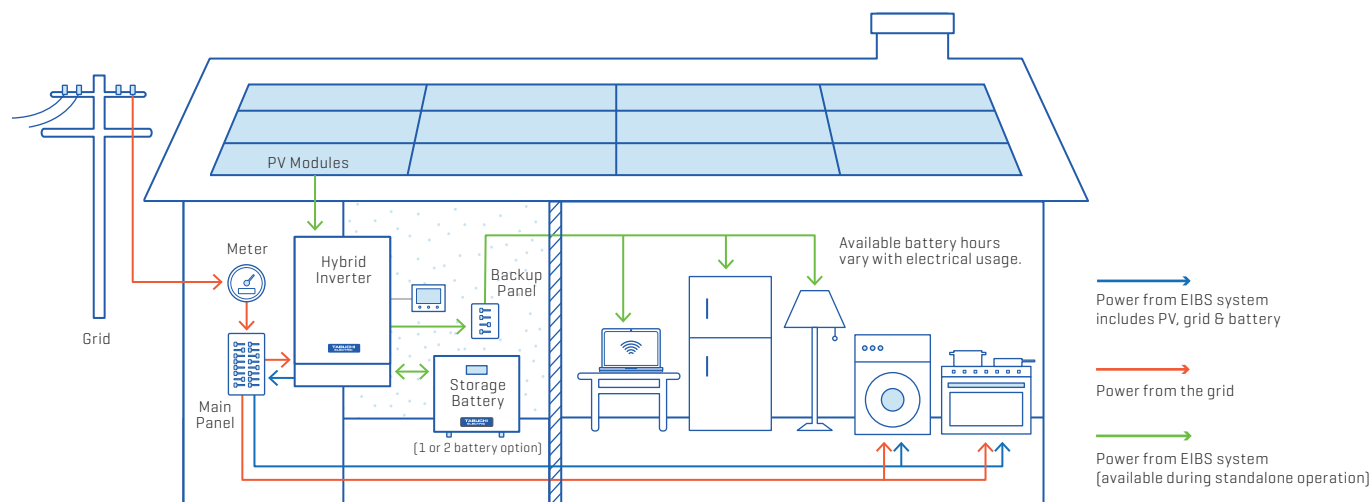
Optimized Energy Management Settings:

- Self-consumption
- Demand Charge
- Time-of-Use [TOU]
- Non-export available

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System Model: EIBS16GU/GU2



Hybrid Inverter & Battery Specifications

Input: DC (Photovoltaic)	
Open-circuit input power per string	600W
Max. usable input power per string	2500W
MPPT operating voltage range	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	240V
Operating AC voltage range	AC 211.2V-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 ±5V / 240V ±5*1

Notes: *1 Scheduled for release in the first half of 2018

*2 For dual battery EIBS system only

	Grid-tied Operation		Stand-alone Operation	
	1	2	1	2
Number of batteries	1	2	1	2
Charge power	1.5kW	3.0kW	1.5kW	3.0kW
Discharge power	2.0kW	4.0kW	2.0kW	4.0kW*1
Available capacity	7.4kWh*1	14.8kWh*1	7.4kWh*1	14.8kWh*1

Efficiency	
Max. efficiency	95.6%
CEC efficiency	94.5%

General Data	
Inverter dimensions [WxHxD]	680x120x250mm [26.8x47.2x9.8in]
Inverter weight	68kg [149.9 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]
Topology	Transformerless
Inverter cooling	Active cooling [fan]
Enclosure rating	Inverter = NEMA3, Battery = Indoor

Standards and Certifications Compliance	
Inverter	Compliant with requirements for: UL1741/UL1741 SA/UL 1699B/UL60950-1, CSA C22.2 No. 107.1/No. 60950-1, IEEE 1547a, CES-listed, FCC class B
Battery	UL 1973, CSA C22.2 No. 60950-1
System*2	ANSI/CAN//UL9540*2

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