TABUCHI ELECTRIC

EIBS

Hybrid Solar Inverter & Stackable 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 AC/DC conversion
- ▶ Automatic transfer switch
- ▶ 3 Solar MPPTs
- 2 Lithium-ion Batteries
- ▶ Battery, solar, and whole house monitoring
- Optimized Energy Managment Settings:
 - Self-consumption
 - Demand Charge
 - ► Time-of-Use (TOU)
 - Backup
 - Non-export available



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Hybrid Inverter & Battery Specifications

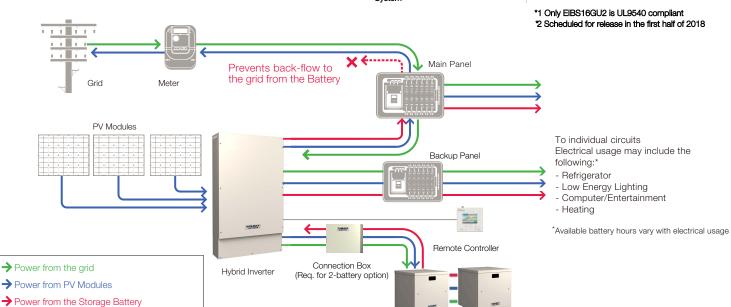
Input: DC: (Photovoltaic)		
Open-circuit input power per string		600V
Max. usable input power per string		2500W
MPPT operating voltage range		80 to 550V
Number of independent MPPTs		3
Max.operating input current per string		12A
Max. short-circuit PV input current		15A
Output (AC: Grid-tied)		
Connection Type	Single 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	voltage 120V±5V / 240V±5 *2	

Grid-tied	Operation	Stand-alon	e Operation
1	2	1	2
1.5kW	3.0kW	1.5kW	3.0kW
2.0kW	4.0kW	2.0kW	4.0kW *2
7.4kWh *2	14.8kWh *2	7.4kWh *2	14.8kWh*2
	1 1.5kW 2.0kW	1.5kW 3.0kW 2.0kW 4.0kW	1 2 1 1.5kW 3.0kW 1.5kW 2.0kW 4.0kW 2.0kW

Efficiency	
Max. efficiency (solar)	95.6%
CEC efficiency	94.5%

General Data	
Inverter dimensions (W x H X D)	680 mm x 1200 mm x 250 mm (26.8 x 47.2 x 9.8 in)
Inverter weight	68 kg (149.9 lbs)
Battery dimensions (W x H x D)	580 mm x 600 mm x 551.5 mm (22.8 x 23.6 x 21.7 in)
Battery weight	110kg (243 lbs) 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 = NEMA 3, Battery = Indoor
Standards and Certifications Compliance	

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Inverter	UL1741/1699B/60950-1, CSA C22.2. No 107.1 / No. 60950-1, IEEE 1547a, CEC, FCC class B
Battery	UL 1973, CSA C22.2 No. 60950-1
System	ANSI / CAN / UL 9540 *1



Storage Battery (1 or 2-battery option)

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