

BST

SINGLE PHASE HYBRID INVERTER



EF-F5S-EU / EF-F6S-EU

- + Advanced power density
- + Wide PV input voltage range
- + Natural cooling and IP65 design
- + Support multiple parallel topologies
- + Remote monitoring function

EF S



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BST POWER (SHENZHEN) LIMITED

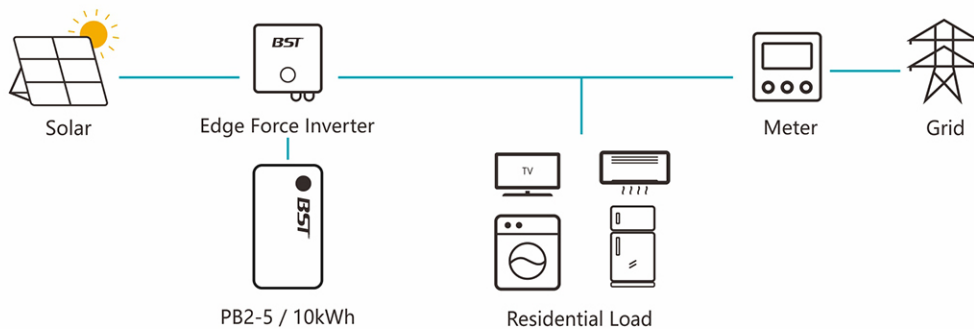
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SINGLE PHASE HYBRID INVERTER



Model	EF-F5S-EU	EF-F6S-EU
Input (PV)		
Max. PV Power	9kW	
Max. MPPT voltage	550V	
MPPT Max. input current	15A	
No. of MPPT trackers	2	
Output (Grid)		
Nominal AC output power	5000W	6000W
Max. AC output current	25A	27.2A
Rated AC voltage	230V, L+N+PE	
Rated grid frequency	50/60Hz	
Power factor	> 0.99 @rated power (Adjustable 0.8 LD - 0.8 LG)	
THDI	< 3%(Rated Power)	
Grid connection	single phase	
Battery data		
Nominal battery voltage	48V	
Compatible battery type	Lithium-ion / Lead-acid	
Communication	CAN / RS485	
Battery voltage range	40-65V	
Max. charge/discharge current	120 / 120A	
Output (Back up)		
Nominal AC output power	5000W	6000W
Max. AC output current	21.7A	26A
Rated AC voltage	230V, L+N+PE	
Nominal output frequency	50 / 60Hz	
Transfer time	10ms(typ) / 20ms(max)	
General parameter		
Weight	25kg	
Max. efficiency PV	≥96.6%	
Max. efficiency Battery	≥94.2%	
Dimensions W *D *H	515mm*485mm*175mm	
Ingress protection degree	IP65	
Operation altitude	< 4000m	
Certification	IEC 62109-1&2, IEC 62477-1	
Grid Standards	VDE-AR-N4105, IEC 61727 / 62116, AS 4777.2, EN 50549-1, C10 / 11, G99, CEI 0-21, NRS 097-2-1, RD 1699 / 661 / 413	