

BST™

RESIDENTIAL HYBRID INVERTER



Native split phase design, supporting the 120V/240V +
grid standard in North America

Support zero-export function, maximizing self-consumption rate +

Support AC coupling application +

Supports 1.5x peak power output and can meet +
the startup requirements of high-power electrical appliances

Support genset charging and hybrid power supply +

Supports up to 6 parallel connections, +
and the power can reach 72kW

Support BST cloud for remote monitoring +

EF-D
OFF-GRID



Read More

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SPECIFICATION ▼

	Model	EF-D12L
PV INPUT	Max. MPPT Power	12kW
	Max. PV Input Voltage	500V
	MPPT Voltage Range	90~450V
	MPPT Max. Input Current	22A/22A
	No. Of MPPT Trackers	2
GRID INPUT AND OUTPUT	Grid Connection	Split Phase
	Nominal AC Input Power	12kW
	Rated AC Voltage	120V/240Vac
	Rated Grid Frequency	50/60Hz
	Grid Voltage Range	90V~140V, Per Phase
	Genset Charging	Support
	Max. AC Input Power	15000VA (Charging + Bypass)
Max. Bypass Current	63A	
BACK UP OUTPUT	Nominal AC Output Power	12000VA
	Rated AC Voltage	120V/240Vac Split Phase
	Nominal Output Frequency	50/60Hz
	Max. Overload Power (1min)	14400VA
	Max. Peak Power (5s)	18000VA
	Transfer Time	< 10ms
BATTERY INPUT	Battery Nominal Voltage	48V/51.2V
	Operation Voltage Range	40V~60V
	Max. Charge/Discharge Current	220A/250A
GENERAL PARAMETER	Max. Efficiency	≥97.5%
	Dimensions	450 × 620 × 132mm
	Weight	24kg
	Ingress Protection Degree	IP20
	Operation Altitude	No Derating < 2000m
	Certification	UL1741, FCC Part15 Class B