

BOLTRONZ

HIGH FREQUENCY SOLAR INVERTER EXP SERIES

PRODUCT DESCRIPTION

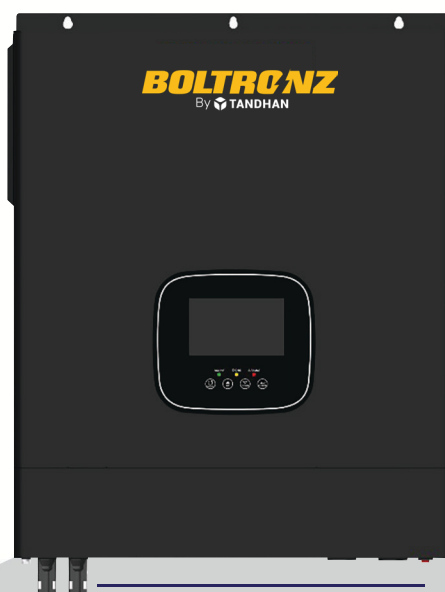
BHF19 EXP is a multi-function inverter/charger, combining functions of inverter, MPPT solar charger and battery charger to offer uninterruptible power support in portable size. BHF19 EXP Series can run without battery. The Maximum PV array open circuit voltage can reach 500V and MPPT voltage is 150~450Vdc, which can help customers make full use of solar energy.

PRODUCT FEATURES

- Pure Sine Wave output
- Smart LCD setting (Working modes, Charge Current, Charge Voltage, etc)
- Built-in MPPT solar charge controller
- MAX PV Array Open Circuit Voltage: 500V (450V for parallel)
- Can provide the power to the load without battery
- Combining solar system, AC utility, and battery power source to supply continuous power
- Cold start function
- Parallel operation with up to 9 units (for 48V mode)
- WIFI remote monitoring (optional)
- Dual outputs for smart load management (optional)



RANGE BHF19EXP4024
& BHF19EXP6048



RANGE - BHF19EXP6248,
BHF19EXP8048,
BHF19EXP10048, and
BHF19EXP12048

PRODUCT SPECIFICATIONS

BHF19 SOLAR INVERTER EXP SERIES		
Model	BHF19 EXP 4024	BHF19 EXP 6048
Default Battery System Voltage	24VDC	48VDC
INVERTER OUTPUT		
Rated Power	4000VA / 4000W	6000VA / 6000W
Surge Power	8000W	12000W
Waveform	Pure Sine Wave	
AC Voltage Regulation (Batt.Mode)	230VAC±5%(Setting)	
Inverter Efficiency (Peak)	0.92	
Transfer Time	10ms(UPS / VDE4105) / 20ms(APL)	
AC INPUT		
Voltage	230VAC	
Selectable Voltage Range	170~280VAC(UPS) / 90~280VAC(APL) / 184~253VAC(VDE)	
Frequency Range	50Hz / 60Hz (Auto sensing)	
BATTERY		
Normal Voltage	24VDC	48VDC
Floating Charge Voltage	27.4VDC	54.8VDC
Overcharge Protection	30VDC	60VDC
SOLAR CHARGER & AC CHARGER		
Maximum PV Array Open Circuit Voltage	500VDC (450V for parallel)	
Charging Algorithm	3-Step (Flooded Battery, AGM / GEL / LEAD Battery), 4-Step (Li)	
Maximum PV Array Power	5000W	
PV Array MPPT Voltage Range	150~450VDC (150~430VDC for parallel)	
Maximum Solar Charge Current	100A	120A
Maximum AC Charge Current	80A	100A
Maximum Charge Current	100A	120A
MECHANICAL SPECIFICATIONS		
Machine Dimension (W*H*D)(mm)	322*486*134	309*505*147
Package Dimension (W*H*D)(mm)	410*545*200	410*615*260
N.W (kg)	10.5	12.5
G.W (kg)	11.5	13.5
OTHER		
Humidity	5% to 95% Relativ Humidity (Non-condensing)	
Operating Temperature	0°C~50°C	
Storage Temperature	-15°C ~60°C	
Warranty	2years	
CERTIFICATION & STANDARDS		
CE-EMC+LVD (EN6100-6-3:2007, EN6100-6-1:2017+EN IEC62109-1:2010, EN IEC62109-2:2011)		
EN IEC62368-1:2020+A11:2020		
CE-LVD (IEC62109-1:2010, EN IEC62109-2:2011)		
EN IEC62368-1:2018, EN IEC62109-1:2010, EN IEC62109-2:2011		

*The technical specifications of this document are subject to change without any notice