

Product datasheet

Specifications

Active Harmonic Filter

BF3 3P4W 50A 400V wall type

BF3-05044LW

Standard	JB/T 11067-2011, DL/T 1216-2013 IEC/EN 60439-1, 2014/30/EU, EN 61000-6
Type	Wall-mounted
Rated input line voltage	400V $\pm 20\%$
Frequency (fn)	50Hz $\pm 10\%$
Compensation current	50A
Power grid structure	3P4W
Operating mode	Active harmonic filtering / Power factor correction / Load balancing
Compensation efficiency	$\geq 97\%$
Harmonic spectrum	2nd to 50th harmonics
Harmonic compensation selection	2nd to 50th harmonics all can be selected individually
Protections	Over-voltage protection, under-voltage protection, short-circuit protection, over-current protection, over-temperature protection, drive fault protection
Parallel operation	Up to 8 modules (different rated currents capable)
CT requirements	3 CTs required (100/5A ~ 5000/5A, class 0.5)
Power loss	Less than 3% of rated power
Communication interface	RS485, CAN interface
Communication protocol	Modbus protocol
Operation temperature	-10 ~ 40°C (higher operation temperature allowed with derating)
Humidity	$\leq 95\%$ non-condensation
Altitude	$\leq 1500\text{m}$, 1500~3000m (derating 1% per 100m)
Protection class	IP20 (higher protection class available on request)
Dimension WxHxD	500x545x173mm

