

# Product datasheet

## Specifications

### Active Harmonic Filter

### BF3 3P4W 75A 400V wall type

BF3-07544LW

|                                 |   |
|---------------------------------|---|
| Standard                        | JB/T 11067-2011, DL/T 1216-2013<br>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            | 75A   |
| 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   |

