

## Certificate G83/1

### Engineering Recommendation

**Manufacturer:** *Shanghai Trannergy Power Electronics Co., Ltd.*  
**Address:** *Floor 2, Building 2, No. 188, weiwu Road, jiading District, Shanghai*  
**Postal code, place:** *201802*  
**Country:** *China*  
**Test house details:** *Shanghai Trannergy Power Electronics Co., Ltd. R&D Department, Shanghai*  
**Type reference:**  
*TRB4000TL*  
*TRB5000TL*  
*TRB6000TL*  
*TRB8000TL*  
*TRB9000TL*  
**Nominal AC power:** *4000W/5000W/6000W/8000W/9000W*

The results of the G83/1 tests are summarized in this certificate. Trannergy declares hereby that units shipped to the UK are within the specifications and parameters set by the G83/1 engineering recommendation. These settings cannot be changed by an installer, user or by any person other than Trannergy. Complete documentation on test details are available at Trannergy on demand.

### Test details

Power quality  
Harmonic current emissions as per BS EN61000-3-2A  
Voltage fluctuation and flicker as per BS EN 61000-3-3A  
DC injection / Power factor  
Under / Over frequency switch off  
Under / Over voltage switch off  
Loss of mains test

*Shanghai Trannergy Power Electronics Co., Ltd.*  
*Shanghai 2015.09.01*

Director of R&D

