

PF Controllers BR5000 Series

- Intelligent
- Cost effective
- Compact
- User friendly

Features

- Multifunctional LCD Display
- Micro Controller logic for measurement
- Three CT Sensing for unbalanced loads
- RS 232 in front and RS 232 / 485 Switchable connection at rear
- EMI / EMC type tested
- Dual target power factor setting



Selection table for controllers

	BR5000 relay output	BR5000 transistor output
Steps	8 STEP / 16 STEP	16 STEP
Switching	Contactors	Thyristor
Ordering code	B44066R5908A415N1 B44066R5916A415N1	B44066R5716A415N1
Auxiliary supply	1Ph 415V (-30% to +20%)	1Ph 415V (-30% to +20%)
Measurement voltage	3P 3W 415V (-30% to +20%)	3P 3W 415V (-30% to +20%)
Load CT Input current	1 / 5 A	only 5 A CT secondary
No. of outputs	8 / 16	16
Alarm outputs	2 Nos	1 No.
Insufficient Compensation	Yes	Yes
Overcompensation	Yes	Yes
Over / under voltage	Yes	Yes
Overcurrent	Yes	Yes
Automatic Initialisation	No	No
Communication interface	RS 232 & RS 485	RS 232 & RS 485
Parameters displayed		
System voltage	Yes	Yes
Load current	Yes	Yes
Capacitor current	No	No
Active power	Yes	Yes
Reactive power	Yes	Yes
Apparent power	Yes	Yes
Frequency	Yes	Yes
Individual harmonics measurement upto	15	15
THD - V	Yes	Yes
THD - I	Yes	Yes
Monitoring of individual capacitor current	Yes - Health check	Yes - total panel capacitor current monitored
Apparent current	Yes	Yes
Overtemperature	Yes - (only INT Temp.)	
Real time cos	Yes	Yes
Target cos	Yes - (upper and lower target PF programmable)	Yes - (upper and lower target PF programmable)
KVAr value to target cos	Yes-displayed as System reactive power	Yes-displayed as System reactive power
Correction time	1 - 600 sec	20-5000 msec
Discharge time	1 - 600 sec	NA
Number of control series	Unequal, C-series (1-15), E-series	Binary, unequal C-series (1-15), E-series
Weight	2.5 Kg	2.5 Kg
Dimensions (L x D x H in mm)	144 x 125 x 144 mm	144 x 125 x 144 mm