

Power Factor Controller



	Series	Power Factor Controller BR 4000
	Technical data	• Steps - 4, 6 and 8 relay outputs • Current Input - 1A or 5 A • Supply Voltage - 110 V AC-550 V AC • Measurement Voltage : 30...550 V AC (L-L/L-N) • Operating temperature : 0 to 60 ° C • Compact 96 x 96 x 75 mm • Adapter plate for 144 x 144 cut out can be provided for BR4000-ER and BR4000-S
	Important display parameters	• Voltage • Current • Temperature • Energy KWh, KVAh, KVARh • Real time PF • Power KW, KVA, kVAh • Harmonics % ITHD, %VTHD, individual up to 31st
	Features	• Intelligent control • Large measurement and input voltage range • User friendly operation • Individual harmonics up to 31st order • Four quadrant operations RS 485 communication/real time clock (optional) • 4 steps variant upgradable to 6 and 8 with additional module. • Configurable alarm output for various parameters • Recall recorded values for 10 various important parameters.

Type	Steps	Voltage V	Description	Material Code	MRP List/ Pc in INR
Power Factor Controller					
Contr - BR4200-NEW	8	440	PFC BR4200R-8 Steps, 1CT, 1Ph, 240V Relay O/P-New	B44066R4208A240	22,367
Contr - BR4000-ER	4	240	BR4000-ER Series 4 Step Relay O/P 240V	B44066R4004R240	10,426
Contr - BR4000-ER	6	240	BR4000-ER Series 6 Step Relay O/P 240V	B44066R4006R240	11,968
Contr - BR4000-ER	8	240	BR4000-ER Series 8 Step Relay O/P 240V	B44066R4008R240	14,067
Contr - BR4000-S	4	240	BR4000-S Series 4 Step Relay O/P 240V with 144x144 Adaptor plate	B44066R4104R240	8,222
Contr - BR4000-S	6	240	BR4000-S Series 6 Step Relay O/P 240V with 144x144 Adaptor plate	B44066R4106R240	9,349
Contr - BR4000-S	8	240	BR4000-S Series 8 Step Relay O/P 240V with 144x144 Adaptor plate	B44066R4108R240	10,188

Power Factor Controller		
	Series	Power Factor Controller BR 2100
	Technical data	• Steps - 6,8 and 12 relay outputs • Current Input - 1A or 5 A • Supply Voltage - 110 VAC-550 VAC • Operating temperature : -10 to 60 °C • Compact 144 x 144 mm front fascia
	Important display parameters	• Voltage • Real time PF • Current • Power KW, KVA, KVAR • Temperature • Harmonics % ITHD, %VTHD, individual up to 31st • Energy KWh, KVAh, KVARh
	Features	• Intelligent control • Menu driven handling in English language • Test-run possible • Large voltage measuring range • Recall function of recorded values • Four-quadrant operation Potential free contact alarm output (Optional) • RS485 communication interface (Optional) • Real Time Clock (Optional) • Log of Time date stamping for last 3 system faults enabled • Auto Initialization function • Input voltage connection detection \ (L-N\L-L) • Three bank selection mode • Control series (upto 20)

Type	Steps	Voltage V	Description	Material Code	MRP List/ Pc in INR
Power Factor Controller					
Contr - BR2100	6	240	BR2100 Series 6 Step Relay 230V	B44066R2006R240	15,665
Contr - BR2100	8	240	BR2100 Series 8 Step Relay 230V	B44066R2008R240	17,800
Contr - BR2100	12	240	BR2100 Series 12 Step Relay 230V	B44066R2012R240	19,222

Power Factor Controller

	Series	Power Factor Controller BR 6000
	Technical data	• Steps - 6 and 12 outputs (in both relay and transistorised versions) • Current Input - 1A or 5 A • Supply Voltage - 1Ph - 230 V AC • Measurement Voltage :1Ph 30V - 525V AC (L-N) or (L-L) • Operating temperature: -20 to +60 °C • Compact 144 x 144 mm front fascia
	Important display parameters	• Voltage • Real time PF • Current • Power KW, KVA, KVAR • Temperature • Harmonics % ITHD, %VTHD, individual up to 31st • Energy KWh, KVAh, KVARh
	Features	• Microcontroller logic for measurements • Self explanatory menu navigation in several languages • Self optimizing control capability • Control modes : LIFO, FIFO and Self optimized Intelligent Control. • Large and multifunctional LCD with backlit display (2 X 16 characters) • Single CT sensing for balanced loads • Dual target Power Factor setting (available in 12 stage) - useful for utility and DG mode operation available optional • Automatic synchronization possible • Display and storage of maximum values, number of switching operations and operating time • Recall function of recorded values • RS 232 Interface optional • Alarm output optional • Dynamic Power Factor Controller (Transistorised) available in 6 and 12 steps • Cascading possible with master slave versions • Protective earth terminal to reduce noise and unwanted interference signals • EMI/ EMC type tested • Individual Harmonic measurement upto 19th order.

Type	Steps	Voltage V	Description	Material Code	MRP List/ Pc in INR
Power Factor Controller					
Contr - BR6000	6	230	BR6000 Series 6 Step Relay 230V	B44066R6006R230	17,357
Contr - BR6000	12	230	BR6000 Series 12 Step Relay 230V	B44066R6012R230	21,303
Contr - BR6000	12	230	BR6000 Series T12 Step Transistor O/P Relay 230V	B44066R6112R230	28,798
Contr - BR6000	6	230	BR6000 Series T6 Step Transistor O/P Relay 230V	B44066R6106R230	23,405
Contr - BR6000	12	230	BR6000 Series (RS485 interface) 12 Step Relay	B44066R6412R230	28,008

Power Factor Controller		
	Series	Power factor controller BR5600 R/T (LV/HV) NEW
	Technical data	• 16 steps controller (in both relay and transistorized versions) • Current input : 1A or 5A (1CT/2CT/3CT sensing) • Supply voltage 90V to 485V L-L / 100V to 550Vdc • Measurement voltage 50...315V ~ (L-N) / 85... 550V ~ (L-L) • Operating temperature 0°C to 60°C • Size 144mm x 144mm front fascia
	Important display parameters	• Voltage • Real time PF • Current • Power KW, kVA, kVAr • Temperature • Harmonics % ITHD, %VTHD, individual up to 31st • Energy KWh, KVAh, KVARh
	Features	• Intelligent control • Self-optimizing control capability • Wide range of auxiliary power supply with AC or DC input • Large measuring voltage range • Data logging • Four-quadrant operation (e.g. stand by generator) • High precision of measurement • Phase sequence of measurement voltage • Easy edit mode (to program minimum parameters) • Expert edit mode facility to access special functions • Minimum current sensing 5mA • Storage of maximum values • Storage of switching operations and time • Monitoring of capacitor kVAr • 1 auxiliary input & 3 auxiliary output • Measurement methods like 3 wattmeter/ 2 wattmeter/ balanced quadrature/ balanced in phase • RS232, RS485 and GPRS communication with modem connectivity • External temperature monitoring facility via PT100 sensor(RTD) • RoHS-compatible • CE marking

Type	Steps	Voltage V	Description	Material Code	MRP List/ Pc in INR
Power Factor Controller					
Contr - BR5600	16	415	PFC BR5600T-16 Steps,3CT,3Ph,415V TX O/P-New	B44066R5715A415	40,046
Contr - BR5600	16	415	PFC BR5600R-16 Steps,3CT,3Ph,415VRelay O/P-New	B44066R5615A415	38,281

