

BR4000ER / BR2100 / BR4000S

- Upgradable for steps
- Intelligent
- Wide supply and measurement range

Features	Features	Features
<ul style="list-style-type: none"> • Multifunctional LCD Display • Micro Controller logic for measurement • Single CT Sensing for unbalanced loads • Control Mode: Binary, Unequal, Preset & user defined • User friendly operation • Compact 96 x 96 front facia • Suitable for Auto / Manual Operation 	<ul style="list-style-type: none"> • Intelligent control • Four quadrant operation • Auto Initialisation function 	<ul style="list-style-type: none"> • Compact • Intelligent control • 3 digit 7 segment display • Real time Cos phi • Auto Initialisation, only feed CT Primary • Value for money

Selection table for controllers	BR4000ER	BR2100	BR4000S
Series Type	B44066R4...R240	B44066R2...R240	B44066R41...R240
Steps	4,6 and 8 relay output	6,8 and 12 relay output	4,6 and 8 relay output
Supply Voltage	110....550V (L-N/L-L)	110....550V (L-N/L-L)	80....300V (L-N)
Measurement Voltage	30....550V (L-N/L-L)	30....550V (L-N/L-L)	80....300V (L-N)
Frequency (Selectable)	40 to 70 Hz	40 to 70 Hz	50 Hz
Switching	Contactor	Contactor	Contactor
Operating Temperature	-10°C to 60°C	-10°C to 60°C	0°C to 55°C
Load CT input Current	X/5A & X/1A onsite Prog.	X/5A & X/1A onsite Prog.	X/5A & X/1A onsite Prog.
Parameter displayed			
Alarm Outputs	Yes	Yes	No
Out of Bank (Under Compensation)	Yes	Yes	No
Overcompensation	Yes	Yes	No
Under Voltage	Yes	Yes	Yes
Over Voltage	Yes	Yes	Yes
Undercurrent	Yes	Yes	Yes
Overcurrent	Yes	Yes	Yes
Over temperature	Yes	Yes	No
Under / Over Frequency	Yes	Yes	No
Excess Harmonics (V-THD / I-THD)	Yes	Yes	No
System voltage (V AC)	Yes	Yes	No
Reactive power (KVAr)	Yes	Yes	No
Active power (kW)	Yes	Yes	No
Apparent power (KVA)	Yes	Yes	No
Apparent current (A)	Yes	Yes	No
Temperature (°C)	Yes	Yes	No
Real-time cos ø	Yes	Yes	Yes
KVAr value to target cos ø	Yes	Yes	No
THD – V / THD - I in %	Yes	Yes	No
Individual Harmonics in % up to 31st for V and I	Yes	Yes	No
Energy kWh (Import/ Export)	Yes	Yes	No
Energy KVAh	Yes	Yes	No
Energy KVArh (Inductive / Capacitive)	Yes	Yes	No
Demand KVA /current	Yes	Yes	No
Run Hour – Number of hours load is connected	Yes	Yes	No
On Hour – hours for which power supply is On	Yes	Yes	No
No of interruption – Number of interruption for power supply	Yes	Yes	No
Recall recorded values			
Maximum / Minimum Voltage	Yes	Yes	No
Maximum / Minimum current	Yes	Yes	No
Maximum / Minimum Apparent power	Yes	Yes	No
Maximum / Minimum Reactive power	Yes	Yes	No
Maximum / Minimum temperature	Yes	Yes	No
Maximum / Minimum THD (V/I)	Yes	Yes	No
Switching count of Capacitor	Yes	Yes	No
Operation time of Capacitor	Yes	Yes	No
Correction Time	10 sec ...30 min	10 sec ...30 min	5 sec...999 sec
Discharge Time	60 sec ...30 min	60 sec ...30 min	10 sec...999 sec
Weight	0.35 Kg	0.57 Kg	0.25 Kg



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