

We are Better...This is Why!



No.	Feature
1	Rectification Technology AC - DC
2	Output options
3	Efficiency Capacity across the range
4	AC Ripple
5	Manual Control
6	Automatic Control
7	Modes of control
7.1	Constant Output voltage
7.2	Constant Output Current
7.3	Constant Reference Potential
8	Dead front Safety
9	Single Phase Power
10	AC Mains Resettable Circuit Breaker
11	Optional remote resettable breaker with auto restart feature
12	AC Healthy / Fail indication
13	AC Surge Protection
14	AC Power socket
15	Self Diagnosing Annunciator
15.1	Power fail / Healthy
15.2	AC CB Trip/Healthy
15.3	DC Cb Trip / Healthy
16	DC Output Circuit Breaker
16.1	Optional remote resettable DC breaker with auto restart feature
17	Output Surge Protection
18	No Output Current Hour meter
19	Instrumentation
19.1	Output Voltage
19.2	Output Current Common Mode
19.3	Output Current Isolated
19.4	Reference Potential Input 1
19.5	Reference Potential Input 2
19.6	Reference Potential Input 3
19.7	Self Diagnostic indication Display
19.8	Control mode Selection
19.9	Alarm Setpoints Low & Hi Alarm
19.10	Output Current limit Setpoint
19.11	Output Voltage set point
19.12	Password control
19.13	Real time monitoring
19.14	User programmable Control setpoint
19.15	User programmable control feedback input
20	Build in Remote Monitoring
21	3rd Party Remote Monitoring
22	Coupon Connect
23	Reference Electrode Connection
24	Cabinet Material, IP & Lock
25	Multiple Communication media
26	Communication with Mobile

Cathtect IP
Specification
Switchmode Controlled Rectifier
Various as required
90% across the Output Range
200mV Max
Yes
Yes
3 User selectable
Yes
Yes
Yes
Yes
96 through 264V
2 pole with indication
Optional
Bi Polar LED Red/Green
40kA 8/20uS
yes with GFR
YES Bi Colour LED
YES Bi Colour LED
YES Bi Colour LED
YES Bi Colour LED
YES - 2 Pole with Aux
Optional
100kA 10/350uS multi stage Course & Fine
Yes - 4 year Battery back up.
Yes on LCD display
Yes on LCD display
Yes on LCD display
Yes on LCD display
Yes on LCD display
Yes on LCD display
Yes on LCD display
Yes on LCD display
Yes on LCD display
Yes on LCD display
Yes on LCD display
Yes on LCD display
Yes on LCD display
User programmable Output Current x2 /Ref Potential input x 3 & output Voltage x1
Yes / Optional
Optional
Yes
Yes, 3 - 2 isolated and 1 common mode.
IP 56, Powder Coat, 3CR12, Lockable
Sigfox, NB-iot, Mqtt & LTE
Yes

Competitor A - Typical Transformer Rectifier
Specification
Silicon Controlled Rectifier
Various as required
85% at full load only
1.50%
Yes
Yes
1 standard
Yes
115 +/- 10%
Yes - no indication
No
No
Yes 10kA 8/20uS
Optional
No
No
No
No
No
Fuses
No
Limited 8/20uS
No
Moving Coil Panel Meter
Moving Coil mV Panel Meter
No
No
No
No
No
No
No
No
Yes
Potentiometer
Only feedback for type of rectifier
No
Optional
No
No
Galv Steel, Lockable
Dependant on 3rd Party RMU selected.
No

Competitor B - Typical Transformer Rectifier
Specification
Silicon Controlled Rectifier
Various as required
85% at full load only
0.10%
Yes
No
1
Only control mode offered
No
No
Yes
115 +/- 10%
Yes - no indication
No
No
Yes 10kA 8/20uS
No
No
No
No
Fuses
No
Limited 8/20uS
No
Moving Coil Panel Meter
Moving Coil mV Panel Meter
No
No
No
No
No
No
Yes
No
No
Yes
Potentiometer
No
Optional
No
No
Galv Steel, Lockable
Dependant on 3rd Party RMU selected.
No