

## 20 KNOWN ELECTRICAL FAULTS

Type of Fault / Functions	Potential Risk from fault				Solution Available	
	Fire	Electro-cution	Damage to equipment	Efficiency loss	MCB + RCCB	POWEReasy
Short circuit	X				Trip	Isolation
Over current	X				Trip	Warning & Optional Isolation
Earth leakage	X	X	X		Trip	Warning & Optional Isolation
Critical Over voltage	X		X		No	Warning & Optional Isolation
Critical Under voltage	X		X		No	Warning & Optional Isolation
Earth voltage	X	X	X		No	Warning & Optional Isolation
Neutral loss	X		X		No	Isolation
Phase/Line loss	X		X		No	Isolation
Arc faults	X		X		No	Optional Isolation
Surge	X		X		No	Protection & Optional Isolation
Current unbalance	X			X	No	Warning
Current harmonics	X		X	X	No	Warning
Phase Reversal			X		No	Optional Isolation
Power factor				X	No	Warning
Voltage harmonics			X		No	Warning & Optional Isolation
Short term interruptions			X		No	Warning
Voltage variation			X	X	No	Warning
Voltage unbalance			X	X	No	Warning
Inrush current			X		No	Warning
Reverse current		X			No	Warning
Metering					No	Yes