








































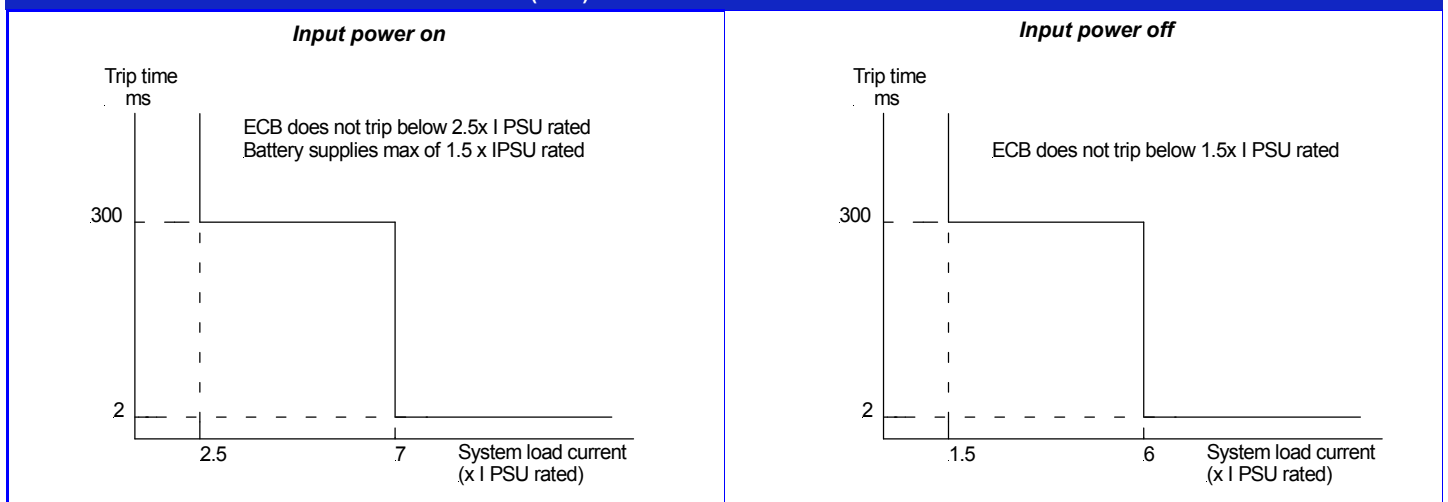
Battery System OK LED	Power OK LED	Standby LED*1	Battery System OK Alarm	Power OK Alarm	Condition
			Normal	Normal	System Normal: input power on, battery circuit is OK
			Normal	Normal	Battery detection in progress
			Alarm	Normal	Input power on, battery system fault: 1. Internal battery fuse has opened <b>or</b> 2. Battery circuit wiring open circuit, battery missing, ECB has tripped
			Normal	Alarm	Input power off, battery system is OK (battery volts > Vbatl)
			Alarm	Alarm	Input power off and battery has discharged to $\leq V_{batl}$
			Alarm	Alarm	Input power off, ELVD has activated and disconnected battery from load
			Normal	Alarm	PSU in standby, input power on, battery system OK (Note: Power OK LED stays on for about 30s after standby button is pressed)
			Alarm	Alarm	PSU is in standby <b>and</b> battery has discharged to $\leq$ Battery Low, unit will continue delivering battery current until next level initiates ELVD.
			Alarm	Alarm	PSU is in standby <b>and</b> ELVD has activated and disconnected battery from load or battery missing
			Normal	Normal	BCT*2 is in progress: LEDs flash alternately
			Alarm	Normal	Input power on, battery voltage dropped to $< V_{pres}$ during previous BCT*2
			Alarm	Alarm	System has failed previous BCT*2 & PSU put into standby (30s delay before Power OK LED goes off)

**LEGEND :**  =Off       =Fast flash       =On       =Slow flash

\*1 Standby function not fitted on SR100

\*2 Only if BCT is enabled

### OPERATION OF ELECTRONIC CIRCUIT BREAKER (ECB) FOR PROTECTION OF BATTERY CIRCUIT



The ECB is activated under the following conditions:

1. battery voltage drops below the  $V_{disco}$  (1.66V/cell)
2. battery current overload (refer to graphs above)

The ECB will latch open only when there is no input power present. It will reset when input power is restored or can be manually reset by briefly shorting the **BAT-** and **LOAD-** terminals together when there is no input power.