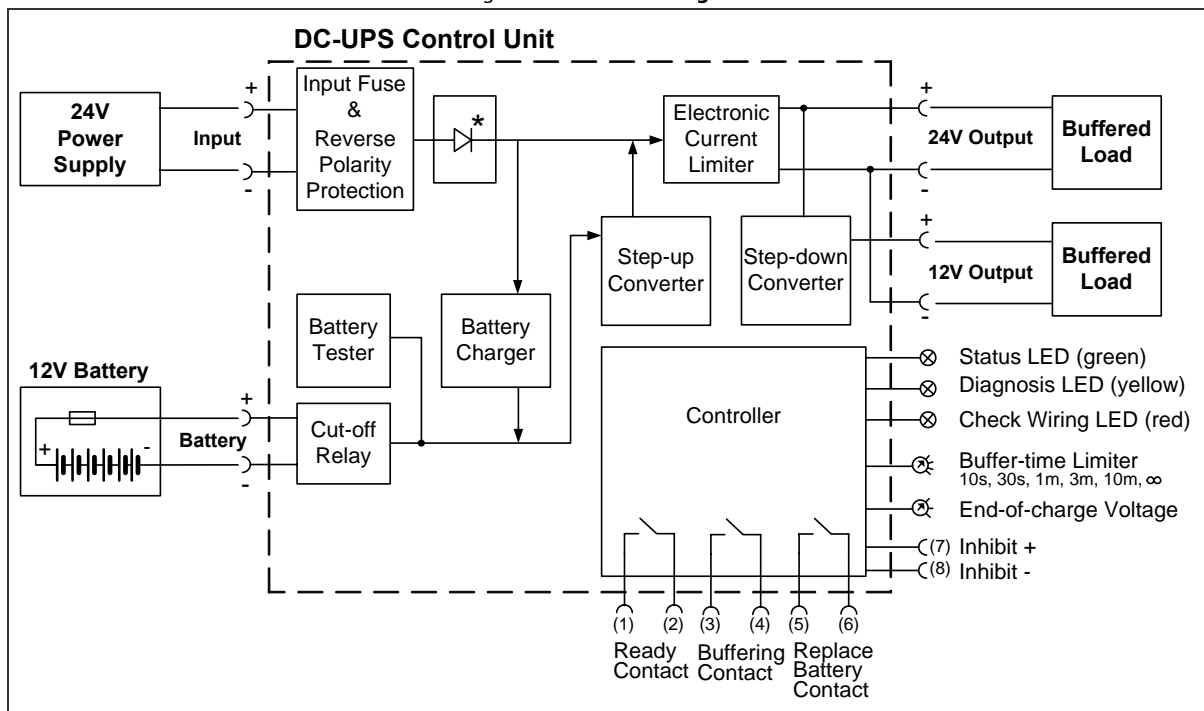


### 10. EFFICIENCY AND POWER LOSSES

Efficiency	typ.	97.5%	Normal mode, 24V 10A, 12V 0A, battery fully charged
	typ.	96%	Normal mode, 24V 7.0A, 12V 5A, battery fully charged
Power losses	typ.	3.4W	Normal mode, no load, battery fully charged
	typ.	6W	Normal mode, 24V 10A, 12V 0A, battery fully charged
	typ.	10W	Normal mode, 24V 12.3A, 12V 5A, battery fully charged
	typ.	5.5W	During battery charging, no load.
	typ.	19W	Buffer mode, 24V 10A, 12V 0A
	typ.	23W	Buffer mode, 24V 7.0A, 12V 5A

### 11. FUNCTIONAL DIAGRAM

Fig. 11-1 Functional diagram



\*) Return current protection; This feature utilizes a Mosfet instead of a diode in order to minimize the voltage drop and power losses.