

MILLENNIUM POWER SYSTEMS

MPS-Power.com (877) 645-5797

LOCOMOTIVE POWER BUS DC-DC CONVERTER/ BATTERY CHARGER

FORCED AIR OR BASE PLATE COOLED
1500W OUTPUT POWER

Part Number
74DC02850

**LOCOMOTIVE
CONVERTER/CHARGER
74Vdc INPUT
Adjustable DC OUTPUT**



13 x 6 x 3

Features

- 50-82 Vdc input range
- 12-50Vdc output adjust
- High efficiency
- Input transient protection
- Custom I/O connectors
- Custom charge profiles

Applicable Specifications

- IP67
- MIL-STD-810
- IEC 60571
- APTA SS-E-005-98
- APTA SS-E-010-98
- PRIIA 305-903

Specifications (-40 to +85°C ambient temperature)

SYM.	DESCRIPTION	VALUE	TOL.	NOTE (STD)
V _{in}	unregulated input voltage	74	+10/-35%	normal
V _o	output voltage	12-50 Vdc	nominal	adjustable
I _{dc}	max DC output current	50	min	to 1500W
η	efficiency	95%	typ	>20% I _{dc}
α	combined line/load regulation	1%	max	0-100% I _{dc}
MTBF	MIL-HDBK-217F	100k hrs	min	Ns
DWV	isolation to case	1500Vdc	min	-
Wt	weight (pounds)	10.0	max	-