

emergency systems

## AC/DC Slave Inverters for use with a central battery system

### Product Description

AC/DC Slave Inverters are for the conversion of fluorescent luminaires to operate in emergency mode when powered by a central battery system.

In non-maintained systems the central battery system is activated only on a mains failure. The lamp is not normally lit and will only operate when the power fails.

In maintained change over systems, the lamp is normally running from mains control gear but will change over to the inverter on mains failure. The inverter has a mains sensor which switches it over to the AC or DC supply from the central battery in the case of a mains failure.

### Product Features

- Extensive range of inverters for compact fluorescent, T8 and T5 fluorescent tubes
- 12, 24, 50, 100 volts for either AC or DC supply and 240 volt AC types are available
- All inverters are CE marked and comply fully with the requirements of the LVD and EMC directives

AC/DC inverters are operated from a central battery system at a selected voltage and fall into three basic types:

- Maintained or Non-Maintained

# AC/DC Slave Inverters

for use with a central battery system






## Dimensions

1. Identify the lamp type and wattage
2. Determine the supply voltage from the central battery system, 12, 24, 50, 110 or 240 volts
3. Select whether the emergency luminaires are to be run in non-maintained, maintained floating, or maintained change over mode. NMF type for non-maintained or maintained floating, or MCO for maintained change over.
4. Select the correct inverter from the chart below:

## Order Codes



Suitable for the following lamp types, wattages and supply voltages


## 12 Volt Inverters


Non-Maintained		EZINV502/NM				EZINV512/NM							
Maintained		EZINV522/M								EZINV532/M			
Supply		AC		DC		AC		DC		AC		DC	
T5 Fluorescent		lac	BLF	lac	BLF	lac	BLF	lac	BLF	lac	BLF	lac	BLF
	14 watt					1.18	81%	1.34	92%	0.76	52%	0.82	56%
	21 watt									0.93	43%	1.08	49%
	28 watt												
	35 watt									1.11	30%		
	24 watt					1.32	53%	1.45	58%	0.91	37%	0.96	38%
	39 watt									1.17	29%	1.3	32%
	49 watt									1.42	28%		
	54 watt									1.21	21%		
	80 watt									1.41	17%		
<b>T5 Circular</b>													
	22 watt					1.31	57%	1.55	68%				
	40 watt									1.24	30%	1.4	34%
	55/60 watt									1.22	21%	1.37	24%
<b>T8 Fluorescent</b>													
	18 watt	0.89	53%	0.95	63%					0.68	24%	0.71	28%
	36 watt									0.99	20%	1.12	24%
	58 watt									1.12	15%	1.3	18%
	70 watt									1.24	13%	1.49	17%
<b>TC-D Compact Fluorescent</b>													
	10 watt	0.8	70%	0.91	93%								
	13 watt	1.05	73%	1.22	****								
	18 watt					1.25	60%	1.47	78%	0.83	39%	0.95	50%
	26 watt					1.46	50%	1.8	68%	0.88	27%	1.02	36%
<b>TC-F Compact Fluorescent</b>													
	18 watt									0.64	21%	0.68	25%
	24 watt									0.80	25%	0.86	29%
	36 watt									1.00	23%	1.12	26%

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TC-T Compact Fluorescent													
		13 watt											
		18 watt											
		26 watt											
		32 watt											
		42 watt											
		57 watt											

TC-L Linear Compact Fluorescent													
	18 watt									0.73	26%	0.75	30%
	24 watt									0.91	27%	0.98	31%
	36 watt									1.05	22%	1.18	27%
	40 watt									1.21	24%	1.42	29%
	55 watt									1.23	17%	1.41	21%
	80 watt												

2D													
	10 watt	0.9	81%	1.02	101%								
	16 watt	1.16	60%	1.40	80%								
	21 watt	1.24	62%	1.47	79%					0.85	38%	0.93	45%
	28 watt					1.43	47%	1.84	64%	0.97	28%	1.08	30%
	38 watt									1.04	24%	1.12	26%
	55 watt												


## 24 Volt Inverters

Non-Maintained		EZINV504/NM				EZINV514/NM				EZINV534/M			
Maintained		EZINV524/M											
Supply		AC		DC		AC		DC		AC		DC	
T5 Fluorescent		lac	BLF	lac	BLF	lac	BLF	lac	BLF	lac	BLF	lac	BLF
	14 watt	0.59	78%	0.64	80%					0.37	51%	0.38	52%
	21 watt					0.84	77%			0.47	43%	0.53	48%
	28 watt					0.92	64%			0.53	36%	0.65	45%
	35 watt									0.6	33%		
	24 watt					0.74	62%	0.87	70%	0.44	35%	0.45	36%
	39 watt									0.57	28%	0.63	31%
	49 watt									0.68	27%	0.78	30%
	54 watt									0.61	22%	0.71	25%
	80 watt					0.82	71%	0.92	80%	0.73	17%	0.84	20%
T5 Circular	22 watt					0.82	71%	0.92	80%				
	40 watt									0.62	29%	0.65	31%
	55/60 watt									0.72	21%	0.88	23%
T8 Fluorescent	18 watt	0.48	56%	0.51	67%	0.7	67%	0.75	80%	0.36	25%	0.37	30%
	36 watt									0.49	21%	0.57	27%
	58 watt									0.56	15%	0.69	21%
	70 watt									0.61	14%	0.76	20%


# AC/DC Slave Inverters

for use with a central battery system


## TC-D Compact Fluorescent

	10 watt	0.39	78%	0.41	94%								
	13 watt	0.52	83%	0.57	100%								
	18 watt					0.75	75%	0.88	65%	0.41	42%	0.45	53%
	26 watt					0.94	71%	1.11	97%	0.42	27%	0.47	60%


## TC-F Compact Fluorescent

	18 watt					0.62	61%	66	74%	0.3	23%	0.32	27%
	24 watt					0.79	63%	0.89	79%	0.38	26%	0.41	32%
	36 watt									0.48	24%	0.54	30%


## TC-T Compact Fluorescent

	13 watt												
	18 watt												
	26 watt												
	32 watt												
	42 watt												
	57 watt												

## TC-L Linear Compact Fluorescent

	18 watt					0.75	73%	0.8	90%	0.24	29%	0.36	36%
	24 watt									0.48	29%	0.53	36%
	36 watt									0.55	24%	0.62	30%
	40 watt									0.59	26%	0.69	33%
	55 watt									0.6	18%	0.69	24%
	80 watt												







## 2D

	10 watt	0.47	87%	0.51	105%								
	16 watt	0.6	70%	0.68	90%								
	21 watt	0.65	66%	0.74	85%					0.41	39%	0.44	48%
	28 watt					1.06	66%	1.25	91%	0.52	28%	0.6	36%
	38 watt									0.5	25%	0.6	32%
	55 watt												

# AC/DC Slave Inverters

for use with a central battery system

## 50 Volt Inverters

Non-Maintained		EZINV506/NM				EZINV516/NM							
Maintained		EZINV526/M								EZINV536/M			
Supply		AC		DC		AC		DC		AC		DC	
T5 Fluorescent		lac	BLF	lac	BLF	lac	BLF	lac	BLF	lac	BLF	lac	BLF
	14 watt	0.27	75%	0.29	77%					0.23	66%	0.26	62%
	21 watt					0.42	79%	0.51	96%				
	28 watt									0.32	46%	0.37	53%
	35 watt									0.33	37%		
	24 watt					0.39	64%	0.42	69%	0.26	44%	0.26	42%
	39 watt									0.32	32%	0.34	35%
	49 watt									0.38	31%	0.44	36%
	54 watt									0.35	26%	0.41	30%
	80 watt									0.41	21%	0.47	24%
<b>T5 Circular</b>													
	22 watt					0.37	67%	0.42	75%				
	40 watt									0.33	33%	0.36	36%
	55/60 watt									0.39	25%	0.44	26%
<b>T8 Fluorescent</b>													
	18 watt	0.24	48%	0.22	56%	0.35	60%	0.35	75%	0.22	28%	0.19	33%
	36 watt									0.28	28%	0.31	31%
	58 watt									0.31	18%	0.37	24%
	70 watt									0.34	17%	0.4	22%
<b>TC-D Compact Fluorescent</b>													
	10 watt	0.22	75%	0.2	91%								
	13 watt	0.26	78%	0.27	99%								
	18 watt					0.17	63%	0.18	73%	0.25	47%	0.25	58%
	26 watt					0.42	67%	0.51	94%	0.26	33%	0.27	42%
<b>TC-F Compact Fluorescent</b>													
	18 watt					0.62	61%	0.66	74%	0.3	23%	0.32	27%
	24 watt					0.79	63%	0.89	79%	0.38	26%	0.41	32%
	36 watt									0.48	24%	0.54	30%
<b>TC-T Compact Fluorescent</b>													
	13 watt												
	18 watt												
	26 watt												
	32 watt												
	42 watt												
	57 watt												

# AC/DC Slave Inverters

for use with a central battery system

## TC-L Linear Compact Fluorescent



18 watt					0.37	69%	0.37	83%	0.22	34%	0.2	39%
24 watt					0.46	62%	0.5	80%	0.28	26%	0.28	40%
36 watt									0.31	28%	0.33	34%
40 watt									0.34	30%	0.38	80%
55 watt									0.4	21%	0.38	27%
80 watt												

## 2D



10 watt	0.23	81%	0.23	97%								
16 watt	0.27	70%	0.30	85%								
21 watt	0.3	60%	0.32	76%					0.25	45%	0.25	55%
28 watt					0.5	64%	57	85%	0.3	31%	31	38%
38 watt									0.3	27%	0.1	20%
55 watt												

## 110 Volt Inverters

### Non-Maintained

EZINV508/NM

EZINV518/NM

### Maintained

EZINV528/M

EZINV538/M

### Supply

AC

DC

AC

DC

AC

DC

### T5 Fluorescent



14 watt	0.14	88%	0.14	85%					0.16	100%	0.11	69%
21 watt					0.18	76%	0.22	92%	0.18	75%	0.14	59%
28 watt					0.21	65%			0.19	60%	0.18	58%
35 watt					0.21	51%			0.2	49%		
24 watt					0.19	68%	0.19	67%	0.17	63%	0.13	46%
39 watt									0.2	44%	0.16	37%
49 watt									0.21	38%		36%
54 watt									0.35	26%	0.22	39%
80 watt									0.21	34%	0.2	32%

### T5 Circular



22 watt					0.18	72%	0.2	78%				
40 watt									0.2	44%	0.18	39%
55/60 watt									0.23	33%	0.21	29%

### T8 Fluorescent



18 watt	0.13	48%	0.1	54%	0.19	65%	0.18	76%	0.16	33%	0.1	33%
36 watt									0.19	29%	0.15	31%
58 watt									0.21	20%	0.18	24%
70 watt									0.21	20%	0.2	23%

### TC-D Compact Fluorescent

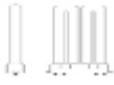


10 watt												
13 watt												
18 watt					0.17	62%	0.18	77%	0.17	57%	0.12	61%
26 watt					0.21	68%	0.24	93%	0.18	41%	0.13	45%

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for use with a central battery system

## TC-F Compact Fluorescent



18 watt					0.16	60%	0.15	71%	0.14	32%	0.09	31%
24 watt					0.19	62%	0.19	75%	0.16	36%	0.11	37%
36 watt												

## TC-T Compact Fluorescent



13 watt												
18 watt												
26 watt												
32 watt												
42 watt												
57 watt												

## TC-L Linear Compact Fluorescent



18 watt	0.19	71%	0.18	83%	0.15	41%	0.1	41%	0.11	62%	0.04	48%
24 watt	0.23	65%	0.24	82%	0.19	37%	0.14	39%	0.15	68%	0.06	55%
36 watt					0.2	20%	0.16	34%	0.18	61%	0.07	50%
40 watt					0.2	34%	0.18	40%	0.22	67%	0.09	54%
55 watt					0.21	24%	0.19	28%	0.22	51%	0.09	42%
80 watt												

## 2D



10 watt									0.13	101%	0.04	87%
16 watt									0.16	93%	0.05	76%
21 watt					0.17	54%	0.12	56%	0.15	89%	0.06	76%
28 watt	0.25	68%	0.27	89%	0.2	34%	0.16	37%	0.17	71%	0.07	57%
38 watt					0.2	29%	0.15	32%	0.18	65%	0.07	47%
55 watt									0.13	26%	0.05	21%

## 240 Volt Inverters

### Non-Maintained

EZINV509/304/NM

### Maintained

### Supply

AC DC

### T5 Fluorescent



14 watt	0.13	92%	0.05	69%
21 watt	0.16	74%	0.07	64%
28 watt	0.21	76%	0.09	61%
35 watt	0.23	64%	0.1	55%
24 watt	0.14	56%	0.05	40%
39 watt	0.18	45%	0.07	34%
49 watt	0.24	47%	0.1	39%
54 watt	0.19	35%	0.08	28%
80 watt	0.23	55%	0.09	23%

### T5 Circular



22 watt	0.11	67%	0.05	57%
40 watt	0.19	89%	0.07	34%
55/60 watt	0.19	49%	0.08	39%

# AC/DC Slave Inverters

for use with a central battery system

## T8 Fluorescent



18 watt	0.12	59%	0.04	46%
36 watt	0.19	53%	0.07	43%
58 watt	0.21	42%	0.09	33%
70 watt	0.23	39%	0.09	31%

## TC-D Compact Fluorescent



10 watt	0.1	****	0.03	90%
13 watt	0.13	****	0.05	85%
18 watt	0.13	****	0.05	89%
26 watt	0.16	71%	0.07	59%

## TC-F Compact Fluorescent



18 watt	0.11	53%	0.04	42%
24 watt	0.14	61%	0.05	49%
36 watt	0.17	56%	0.07	45%

## TC-T Compact Fluorescent



13 watt	0.09	96%	0.04	91%
18 watt	0.16	94%	0.06	78%
26 watt	0.16	85%	0.06	72%
32 watt	0.19	81%	0.08	68%
42 watt	0.22	61%	0.08	53%
57 watt				

## TC-L Linear Compact Fluorescent



18 watt	0.11	62%	0.04	48%
24 watt	0.15	68%	0.06	55%
36 watt	0.18	61%	0.07	50%
40 watt	0.22	67%	0.09	54%
55 watt	0.22	51%	0.09	42%
80 watt	0.2	43%	0.1	31%

## 2D



10 watt	0.13	****	0.04	87%
16 watt	0.16	93%	0.05	76%
21 watt	0.15	89%	0.06	76%
28 watt	0.17	71%	0.07	57%
38 watt	0.18	65%	0.07	47%
55 watt	0.13	26%	0.05	21%



# AC/DC Slave Inverters

for use with a central battery system

## Dimensions

Inverter Type	Width (mm)	Height (mm)	Length (mm)	Fixing Centres
NMF Type	42	35	150	140
MCO Type	42	35	210	200

## Technical Information

Operating voltage - DC +25% (intermittent) +13% (continuous) to - 16%  
AC +6% (continuous) -6%

Temperature range - 0-55°C

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