



7 Wire → **7 Wire**
Input (24V) Output (12V)

Design Features

- Wide Range Input Voltage
- High Efficiency Design
- Hi Ingress Rating, IP 676
- Low Voltage Cutout
- High Voltage Cutout
- Electronically Current Limited
- Thermally Protected
- Low No Load Power Consumption
- All Aluminum Anodized Housing
- 6 Point Mounting

Input/Output Function Table for UTC 2412GD

Function	Color	(24 Volts)		(12 Volts)	Color	Function
		INPUT		Output		
		Wire		Wire		
Ground	White	1	→	X 1	White	Ground
Left Side - Tail, Marker, Clearance, License Lights	Black	2	→	X 2	Black	Clearance, ID, Lights
Left Turn Sig.	Yellow	3	→	X 3	Yellow	Left Turn Sig.
Normal Stop Lights	Red	4	→	X 4	Red	Normal Stop Lights
Right Turn Signal	Green	5	→	X 5	Green	Right Turn Signal
Right Side - Tail, Marker, Clearance, License Lights	Brown	6	→	X 6	Brown	Tail, Marker, License Lights
Trailer Aux Power	Blue	7	→	X 7	Blue	Constant Power
		INPUT/OUTPUT	7 Wire Cable - 11/3.4 ft./m			

INPUT VOLTAGE RANGE	21-30 VDC (nominal) Will withstand up to 36V
INPUT CURRENT	10A max. per Circuit
OUTPUT VOLTAGE	13.6 +, - 0.3 V per circuit
OUTPUT CURRENT	15A per line (BRN, BLK, RED, BLUE) 10A per line (YEL, GRN)
OUTPUT REGULATION	0.2V over entire input voltage and load current range
INPUT/OUTPUT CONNECTIONS	Hard wired with ring terminal connections

OPERATING TEMPERATURE	-40C to +60C
STORAGE TEMPERATURE	-60C to +125C
OVERLOAD PROTECTION	Electronic
EFFICIENCY	92% Typical
CONSTRUCTION	BLACK ANODIZED ALUMINUM
WEIGHT	14 lbs./ 6.5 kg. total

NOTE: Specifications are subject to change without notice.

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