



QTMS

12V or 24V AC Power Supply -
60W-750W



- Single power supply ranging from 60W to 750W
- Part of the QT Series, known for being the quietest, most efficient, safest, versatile, and longest-lasting power supplies in the industry
- Comes standard with five taps for fine-tuning voltage adjustments at the transformer to allow installers to fine-tune the voltages at the transformer
- UL listed for surface or recess mounting
- Can be installed into a 2'x4" stud wall
- Compatible with various thicknesses of drywall
- Provides reliable and consistent power supply for AC lighting applications

1 PRODUCT	2 WATTAGE	3 PRIMARY VOLTAGE	4 SECONDARY VOLTAGE	5 NUMBER OF BREAKERS	6 BREAKER AMPERAGE	7 CHOKE	8 COLOR	9 OPTIONS
QTMS								

Sample Part Number: QTMS-60MV-120-12V-1-5-CK-S-BK-SP

1 PRODUCT QTMS	2 WATTAGE 60MV 100MV 150MV 300MV 500MV 600MV 750MV	3 PRIMARY VOLTAGE 120 60Hz 230 50/60Hz 240 50Hz 277 60Hz 230 & 240 not standard, call factory for pricing	4 SECONDARY VOLTAGE 12V 24V 120V 120V not standard, call factory for pricing	5 NUMBER OF BREAKERS 1 2 3 4 5 6
6 BREAKER AMPERAGE 5 10 12.5 15 20 25	7 CHOKE CK-S 60W-300W CK-L 500W-750W	8 COLOR WH White (Standard) BK Black Powder Coat Finish	9 OPTIONS CP Cord & Plug SP Switch Plate TP Timer Plate DP Dimmer Plate ST Secondary Tap N/A	

PRODUCT INFORMATION

- UL 2108 & 1598 listed
- Surface, ceiling or wall mount
- Recessed wall mount type IC
- Suitable for use in insulated space — zero clearance
- Suitable for use in closets with clothes in direct contact
- Inherently protected type IC for supply connections use wire rated for at least 75°C

- Suitable for indoor use only
- Suitable for damp locations
- Use dimmers rated for magnetic low voltage load
- Complies with N.E.C. article 411
- Isolation toroidal transformer
- 50/60 cycle A.C. only
- 10 Year Warranty

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VOLTAGE DROP CHART

Secondary tap connection

No Dimming - use primary tap #1

Load Wattage (W)	TAP 2, 12V					
	8 AWG	10AWG	12AWG	14AWG	16AWG	18AWG
60	143	90	57	36	22	14
100	86	54	34	21	13	8
150	57	36	23	14	9	6
300	29	18	11	7	4	3
500	17	11	7	4	3	2
600	14	9	6	4	2	1
750	11	7	5	3	2	1

Load Wattage (W)	TAP 3, 13V					
	8 AWG	10AWG	12AWG	14AWG	16AWG	18AWG
60	302	190	120	75	47	30
100	181	114	72	45	28	18
150	121	76	48	30	19	12
300	60	38	24	15	9	6
500	36	23	14	9	6	4
600	30	19	12	8	5	3
750	24	15	10	6	4	2

Load Wattage (W)	TAP 4, 14V					
	8 AWG	10AWG	12AWG	14AWG	16AWG	18AWG
60	462	290	183	115	72	45
100	277	174	110	69	43	27
150	185	116	73	46	29	18
300	92	58	37	23	14	9
500	55	35	22	14	9	5
600	46	29	18	11	7	5
750	37	23	15	9	6	4

Load Wattage (W)	TAP 5, 15V					
	8 AWG	10AWG	12AWG	14AWG	16AWG	18AWG
60	621	390	246	154	97	61
100	372	234	147	93	58	37
150	248	156	98	62	39	24
300	124	78	49	31	19	12
500	74	47	29	19	12	7
600	62	39	25	15	10	6
750	50	31	20	12	8	5

Load Wattage (W)	TAP 2, 24V					
	8 AWG	10AWG	12AWG	14AWG	16AWG	18AWG
60	573	360	227	143	90	56
100	344	216	136	86	54	34
150	229	144	91	57	36	23
300	115	72	45	29	18	11
500	69	43	27	17	11	7
600	57	36	23	14	9	6
750	46	29	18	11	7	5

Load Wattage (W)	TAP 3, 26V					
	8 AWG	10AWG	12AWG	14AWG	16AWG	18AWG
60	1210	760	479	301	189	119
100	726	456	287	181	114	71
150	484	304	191	120	76	48
300	242	152	96	60	38	24
500	145	91	57	35	22	14
600	121	76	48	30	19	12
750	97	61	38	24	15	10

Load Wattage (W)	TAP 4, 28V					
	8 AWG	10AWG	12AWG	14AWG	16AWG	18AWG
60	1847	1160	730	459	289	182
100	1108	696	438	276	173	109
150	739	464	292	184	116	73
300	369	232	146	92	58	36
500	222	139	88	55	35	22
600	185	116	73	46	29	18
750	148	93	58	37	23	15

Load Wattage (W)	TAP 5, 30V					
	8 AWG	10AWG	12AWG	14AWG	16AWG	18AWG
60	2483	1560	982	618	388	244
100	1490	936	589	371	233	147
150	993	624	393	247	155	98
300	497	312	196	124	78	49
500	298	187	118	74	47	29
600	248	156	98	62	39	24
750	199	125	79	49	31	20

Load Wattage (W)	TAP 2, 12V					
	8 AWG	10AWG	12AWG	14AWG	16AWG	18AWG
60	143	90	57	36	22	14
100	86	54	34	21	13	8
150	57	36	23	14	9	6
300	29	18	11	7	4	3
500	17	11	7	4	3	2
600	14	9	6	4	2	1
750	11	7	5	3	2	1

Load Wattage (W)	TAP 3, 13V					
	8 AWG	10AWG	12AWG	14AWG	16AWG	18AWG
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100	181	114	72	45	28	18
150	121	76	48	30	19	12
300	60	38	24	15	9	6
500	36	23	14	9	6	4
600	30	19	12	8	5	3
750	24	15	10	6	4	2

Load Wattage (W)	TAP 4, 14V					
	8 AWG	10AWG	12AWG	14AWG	16AWG	18AWG
60	462	290	183	115	72	45
100	277	174	110	69	43	27
150	185	116	73	46	29	18
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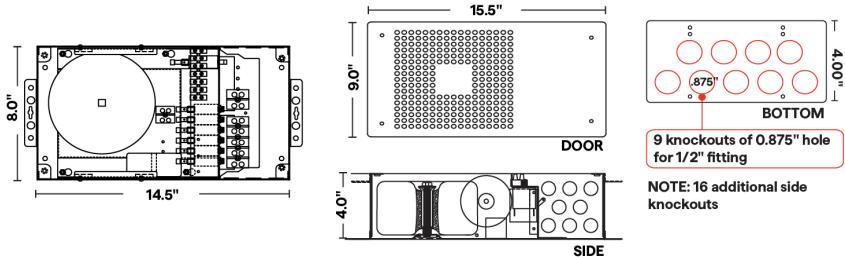
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Load Wattage (W)	TAP					

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1 PRODUCT - DIMENSIONS



2 TECHNICAL INFORMATION

Wattage	Max Load (Watts)	PSC Efficiency	Max PSC Rating (Watts)	Max PSC Rating (VA)	Max Prim Amps @ 120V	Max Prim Amps @ 277V
60MV	60W	92%	66	78	0.5 A	0.28 A
100MV	100W	92%	108	125	1.1 A	0.46 A
150MV	150W	92%	162	175	1.5 A	0.70 A
300MV	300W	93%	321	347	2.9 A	1.30 A
500MV	500W	93%	535	578	4.8 A	2.10 A
600MV	600W	95%	630	680	5.7 A	2.50 A
750MV	750W	95%	788	851	7.1 A	3.10 A

Secondary Breaker Amperage

Amps	Max 12V Load	Max 24V Load
5	60W	120W
10	120W	240W
12.5	150W	300W
15	180W	360W
20	240W	480W
25	300W	600W

HOUSING

- 18-gauge welded steel enclosure: 8.0"W X 14.5"L X 4.0"D
- Door: 9.0"W X 15.5"L
- Color: white powder coating (standard)
- Knockouts: 21

MULTI-VOLT & TAPS

- Tap Options (in order from TAP1 to TAP5):
 - 12V: 11, 12, 13, 14, 15V
 - 24V: 22, 24, 26, 28, 30V
- AC inputs may be connected to one (1) of the primary taps of the PSC
- No derating required for incandescent and halogen loads
- 50% derating required for LED retrofit loads
- The advantage is that loads at varying distances from the PSC can be tapped on different taps to recover voltage drop, allowing you to get the correct voltage at your load and produce between 85%-100% light output. (See QTL Voltage drop Calculator)
- Secondary Circuit Protection: 1-6 magnetic circuit breakers
- Class 1 compliant to N.E.C.

TOROIDAL CHOKE

- QTL's standard choke, or "debuzzing coil" reduces noise when dimming and helps negate in-rush current that is prevalent with LED loads. It allows for quiet operation and eliminates nuisance tripping.



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8 COLOR



Black Powder
Coat Finish

White
(Standard)

COMPATIBLE WIRING ACCESSORIES



UL Listed, miniature
junction box, DRY/DMP
(WET rated with silicone)