



## QOMS

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



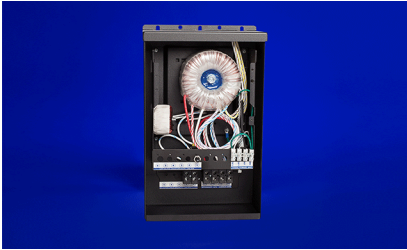
BUY AMERICAN  
ACT COMPLIANT



BUILD AMERICA  
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COMPLIANT



MADE IN AMERICA  
FROM DOMESTIC &  
FOREIGN PARTS



- Versatile surface-mounted low voltage lighting transformer
- Available in power options ranging from 60W to 750W
- Compatible with 12VAC or 24VAC output voltages
- Part of the QO Series, known for its quality and reliability
- Designed for outdoor applications, ensuring durability and weather resistance
- One of the quietest, most reliable, and efficient outdoor AC power supply solutions in the industry
- Equipped with five taps, providing flexibility for voltage adjustments at the transformer
- Allows installers to fine-tune the voltages to achieve the desired voltage for the lighting fixtures

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

Sample Part Number: **QOMS-60ST-120-12V-1-5-CK-S-SS-CP**

1	2	3	4	5
PRODUCT	WATTAGE	PRIMARY VOLTAGE	SECONDARY VOLTAGE	NUMBER OF BREAKERS
QOMS	60ST 100ST 150ST 300ST 500ST 600ST 750ST	120 60Hz 230 50/60Hz 240 50Hz 277 60Hz  230 & 240 not standard, call factory for pricing	12V 24V	1 2 3 4 5

6	7	8	9
BREAKER AMPERAGE	CHOKE	COLOR	OPTIONS
5 10 12.5 15 20 25	CK-S 60W-300W CK-L 500W-750W	BK Black Powder Coat Finish (Standard) SS 316 Marine Grade Stainless Steel	CP Cord & Plug SP Switch Plate TP Timer Plate DP Dimmer Plate N/A

## PRODUCT INFORMATION

- Landscape lighting power unit
- Suitable for damp and wet locations
- Suitable for use with submersible luminaires or submersible pumps
- Suitable for indoor/outdoor use
- UL 1838 & 2108 listed
- Use dimmers rated for magnetic low voltage load with neutral wire
- Isolation toroidal transformer
- 50/60 cycle
- CSA C22.2 No. 250.0-08 & 250.7-07
- 10 Year Warranty

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## VOLTAGE DROP CHART

### Secondary tap connection

No Dimming - use primary tap #1

Load Wattle (W)	TAP 1, 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 Wattle (W)	TAP 2, 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 Wattle (W)	TAP 3, 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 Wattle (W)	TAP 4, 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 Wattle (W)	TAP 1, 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 Wattle (W)	TAP 2, 26V					
	8 AWG	10AWG	12AWG	14AWG	16AWG	18AWG
60	891	560	353	222	139	88
100	535	336	212	133	84	53
150	357	224	141	89	56	35
300	178	112	71	44	28	18
500	107	67	42	27	17	11
600	89	56	35	22	14	9
750	71	45	28	18	11	7

Load Wattle (W)	TAP 3, 28V					
	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	36	23	14
600	121	76	48	30	19	12
750	97	61	38	24	15	10

Load Wattle (W)	TAP 4, 30V					
	8 AWG	10AWG	12AWG	14AWG	16AWG	18AWG
60	1528	960	605	380	239	150
100	917	576	363	228	143	90
150	611	384	242	152	96	60
300	306	192	121	76	48	30
500	183	115	73	46	29	18
600	153	96	60	38	24	15
750	122	77	48	30	19	12

With Dimming - use primary tap #2

Load Wattle (W)	TAP 1, 12V					
	8 AWG	10AWG	12AWG	14AWG	16AWG	18AWG
60	TAP 1 NOT RECOMMENDED FOR USE WITH DIMMER					
100						
150						
300						
500						
600						
750						

Load Wattle (W)	TAP 2, 13V					
	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

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	8 AWG	10AWG	12AWG	14AWG	16AWG	18AWG
60	302	190	120	75	47	30
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600	30	19	12	8	5	3
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60	462	290	183	115	72	45
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500	55	35	22	14	9	5
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750	37	23	15	9	6	4

Load Wattle (W)	TAP 1, 24V					
	8 AWG	10AWG	12AWG	14AWG	16AWG	18AWG
60	TAP 1 NOT RECOMMENDED FOR USE WITH DIMMER					
100						
150						
300						
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600						
750						

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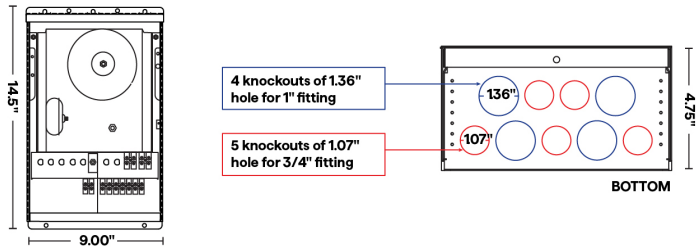
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150	484	304	191	120	76	48
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## 1 PRODUCT - DIMENSIONS



## 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
60ST	60W	92%	66	79	0.66 A	0.28 A
100ST	100W	92%	108	135	1.1 A	0.48 A
150ST	150W	92%	163	200	1.7 A	0.70 A
300ST	300W	93%	322	400	3.4 A	1.5 A
500ST	500W	93%	538	670	5.6 A	2.4 A
600ST	600W	95%	632	800	6.7 A	2.9 A
750ST	750W	95%	789	1000	8.4 A	3.6 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: 9.0"W X 14.5"L X 4.75"D
- Knockouts: 9

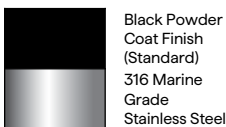
## MULTI-VOLT & TAPS

- Tap Options (in order from TAP1 to TAP5):
  - 12V: 12, 13, 14, 15V
  - 24V: 24, 25, 26, 27V
- AC inputs may be connected to one (1) of the primary taps of the PSC.
- No derating required for incandescent or 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: 1-5 magnetic circuit breakers
- No derating required

## 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.

## 8 COLOR





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## COMPATIBLE WIRING ACCESSORIES



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