

# EMT600SS-22E

## Magnetic

Outdoor Stainless Steel Enclosure

Multi Tap: **12-22VAC**

Total Wattage: **600W max**

Input Voltage: **120V 60Hz**



Conforms to UL STD. 1838  
 Certified to CSA  
 STD. C22.2 No 250.0, 250.7

### Installation Instruction for



**⚠️** \* Read instruction completely before installation. \* Turn off electricity before wiring.  
 \* Only qualified personal should install the unit. \* Installation must comply with the NEC.  
 \* Ensure the unit has input, output voltage and output wattage proper for your application.

#### Mounting

The transformer must be mounted in a free flow air space for proper ventilation.  
 The maximum ambient temperature should not exceed 50 deg. C (110 deg. F)  
 Use the keyholes bracket to mount transformer vertically with wire compartment pointing down.

#### Input Connection

This transformer configured with line cord for easy input connection by plugging it into 120V 60Hz receptacle. The max. input current at fully loaded transformer should not exceed 3 Amps for 300W, 5Amps. For 600W, 7.5Amps for 900W and 10Amps for 1200W Transformers., check it by Ampere meter clamp on wire loop.

#### Output Connection

This unit has four com. and 7 taps: 12,13,14,15,16,17, 18V and 22V. Don't short the one tap to another.  
 You can connect your lights to any tap in different combinations. The total wattage should not exceed 300W on any tap and on any com. For example: for 15V tap it's 300W divided by 15V = 20 Amps. 20 Amps. Multiply by 12V=240W, so your lights total wattage on 15V tap 240W max.  
 Always connect your lights to 12V tap first, check voltage on the lights, move to higher tap if the voltage less than 10.5V. We recommend max. voltage 11.5V. Make sure all your connection are very tight to avoid terminal block melting and wire burning. For voltage drop control see chart below.

Wattage	12 volt output				14 volt output				15 volt output				16 Volt output			
	14 AWG	12 AWG	10 AWG	8 AWG	14 AWG	12 AWG	10 AWG	8 AWG	14 AWG	12 AWG	10 AWG	8 AWG	14 AWG	12 AWG	10 AWG	8 AWG
50W	81	129	204	317	190	303	477	740	244	390	613	950	298	475	750	1161
100W	40	65	102	158	95	151	238	370	122	195	307	475	149	238	375	580
150W	27	43	68	105	63	101	159	246	81	130	204	317	99	158	250	387
200W	20	32	51	79	47	75	120	185	61	97	153	237	74	118	187	290
250W		26	41	63		60	95	148		78	123	190		95	150	232
300W		21	34	52		50.5	79	123		65	102	158		79	125	193
Wattage	18 Volt output				20 volt output				22 volt output							
	14 AWG	12 AWG	10 AWG	8 AWG	14 AWG	12 AWG	10 AWG	8 AWG	14 AWG	12 AWG	10 AWG	8 AWG				
50W	406	648	1022	1584	515	822	1295	2006	623	995	1567	2429				
100W	203	324	511	792	257	411	647	1003	311	497	784	1214				
150W	135	216	340	528	172	274	432	669	208	331	522	809				
200W	101	162	255	396	129	205	324	501	159	249	392	607				
250W		130	204	316		164	259	401	125	199	313	486				
300W		108	170	264		137	216	334	104	166	261	405				

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