Indoor Modular Driver

GED22MCV2P500P

Description: Modular Class2 PSU

Input Voltage: 120V-277V ±10%

Input Frequency: 50/60Hz

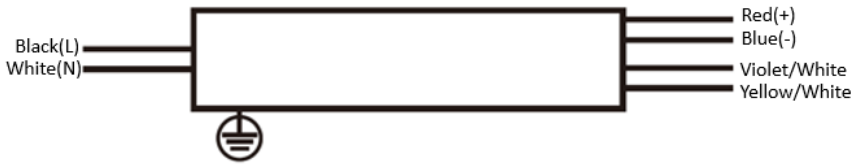
Power BUS: voltage 22.5Vdc max; current 100mA max

Surge protection: 2KV/1KA

Ring wave: 3KV/100A

ROHS Compliant: Yes

Control	Max Output Power (W)	Output Current (mA)	Output Voltage (V)	Efficiency Full load @277V	Max Input Current@120Vin (A)	Max THD @Output	Min PF @Output	Max Inrush Current (A/mS)	Surge Protection	Isolated Dimming	Weight (lbs/kg)	IP Rating
									Ring Wave	Dimming Range @full load		
0-10V	22	150-500	30-52	84%	0.22	20% (≥6.5W output)	>0.9 (≥6.5W output)	See Page below	2KV/1KA 3KV/100A	100%-1%	1.43 / 0.65	IP54



Color	Length in(cm)
Black (L)	*19.7(50.0)*
White (N)	*19.7(50.0)*
Violet/White	*19.7(50.0)*
Yellow/White	*19.7(50.0)*
Red (+ Output)	*19.7(50.0)*
Blue (- Output)	*19.7(50.0)*

Product Features

Physical

- Unit must be installed within an electrical enclosure.
- Input wiring must be rated to 600V & 105°C or higher.
- Output wiring must be rated to 300V & 105°C or higher.

Performance

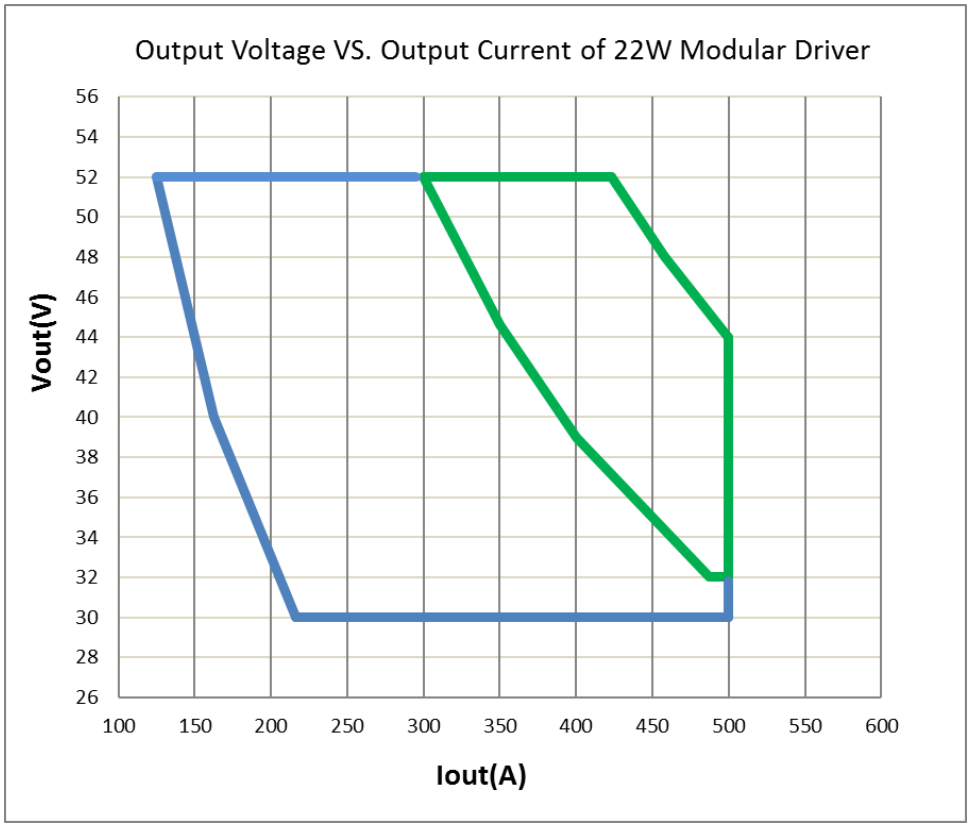
- The unit is classified as UL Class 2 as stipulated in UL8750.
- The unit is classified as Class P as stipulated in UL8750.
- Output and dimming interface are classified as Class 2 as stipulated in UL1310.
- Minimum ambient operating temperature: -30°C.
- Maximum allowable case temperature: 85°C.
- For reliability and failure rate information, contact GE Current Technical Sales Representative
- The unit is UL certified for operation in dry/damp locations.
- The unit is tolerant of extended open circuit and short circuit conditions.
- The unit is compliant to FCC Title 47 Part 15 Class A.
- The unit is resistant to surges as Per IEC61000-4-5 (2kV/1KA).

UL Conditions of Acceptability – E340135

- The unit has been examined to comply with Class 2 Output Criteria.
- The unit is only to be used in dry or damp locations.
- The metal casing must be connected to EARTH.

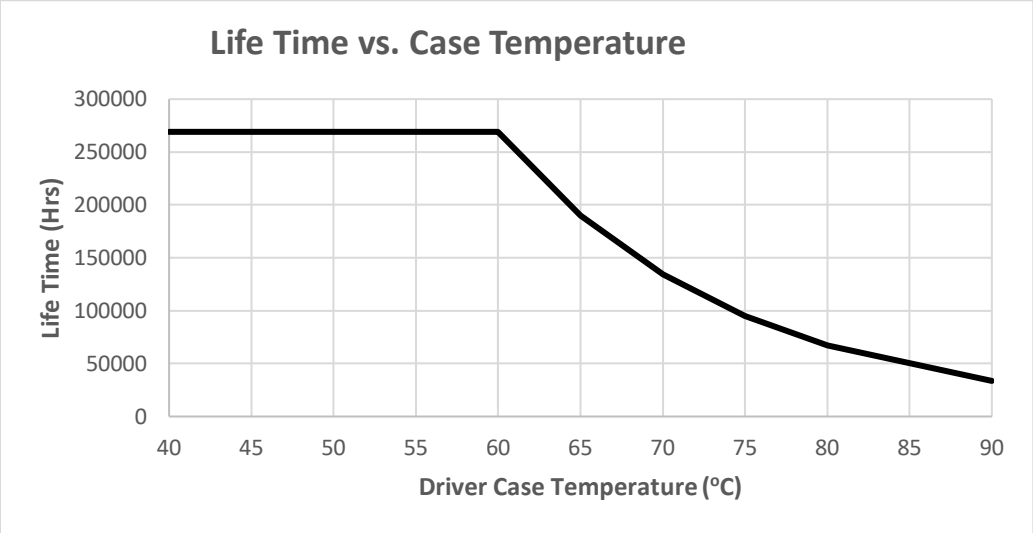
Technical Information

22W: GED22MCV2P500P

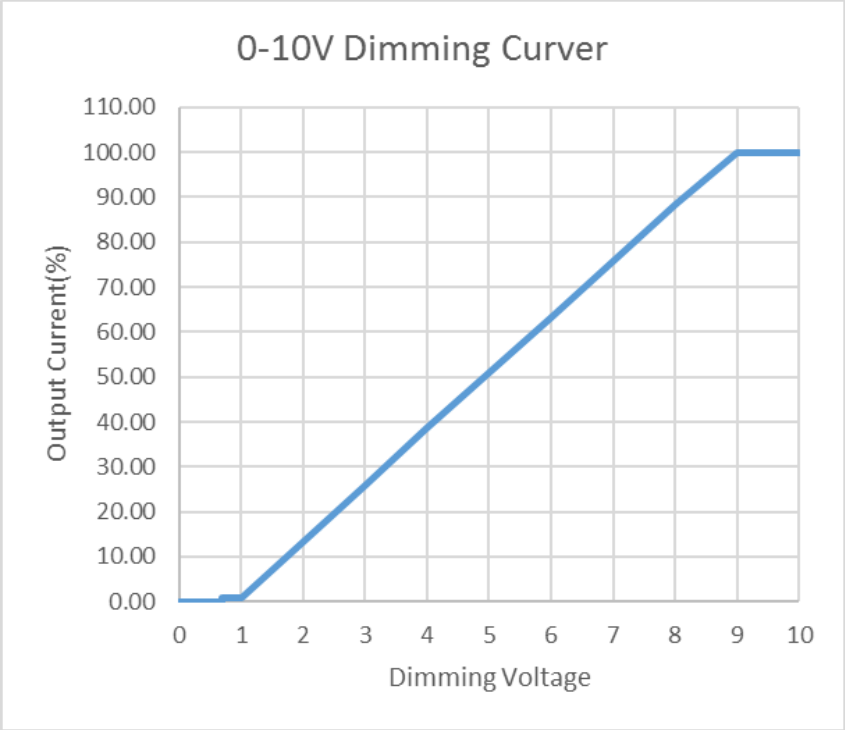


Green: Operation Window (PF>0.9, THD<20%, 1% dimming depth)
Blue: Driver can work within this window, but not ensure 1% dimming depth
Note:

- The operation window is tested at room temperature-25degC.
- Vout window(30V-52V) refers to the whole temperature range and all operating condition. Vout ≥30V at dimming condition and Vout≤52V even at -30℃.
- In any condition, LED load voltage should not less than 32V to achieve 1% dimming depth.

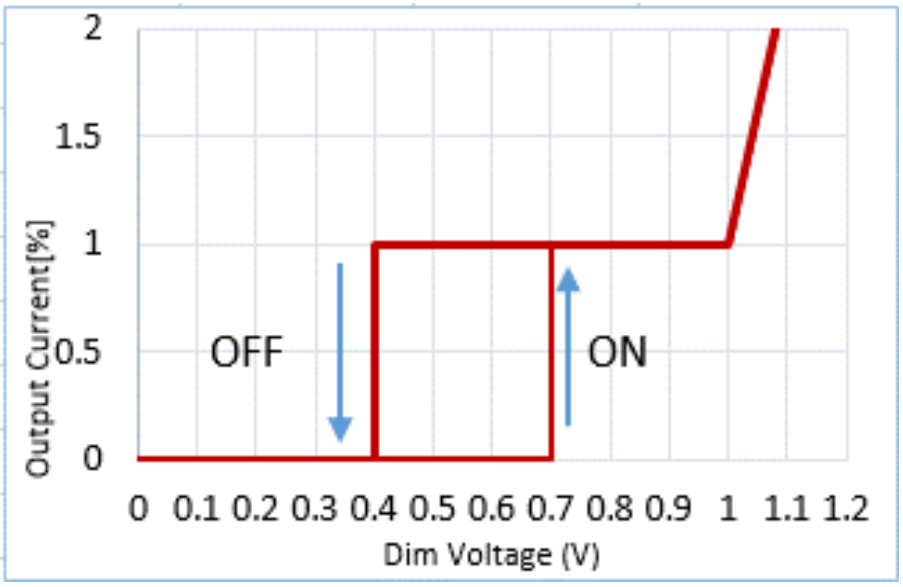


0-10V DIMMING: GED22MCV2P500P

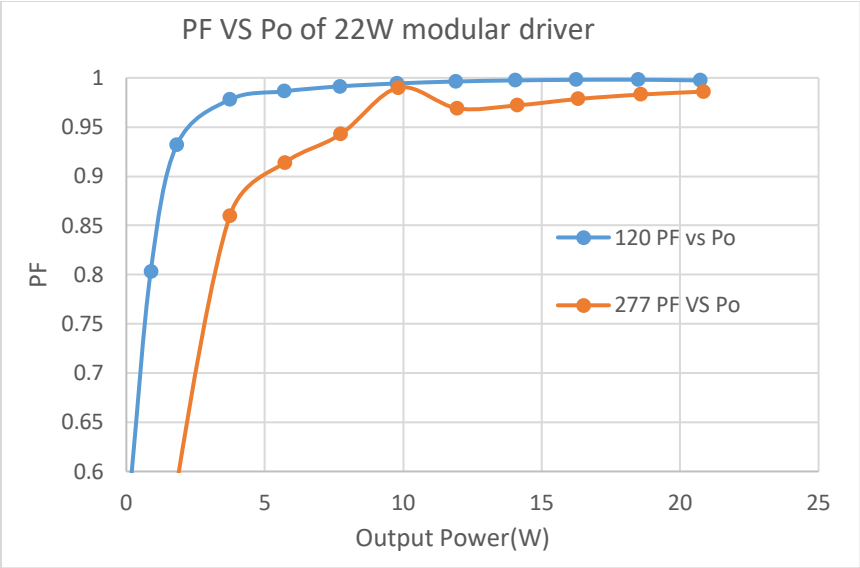


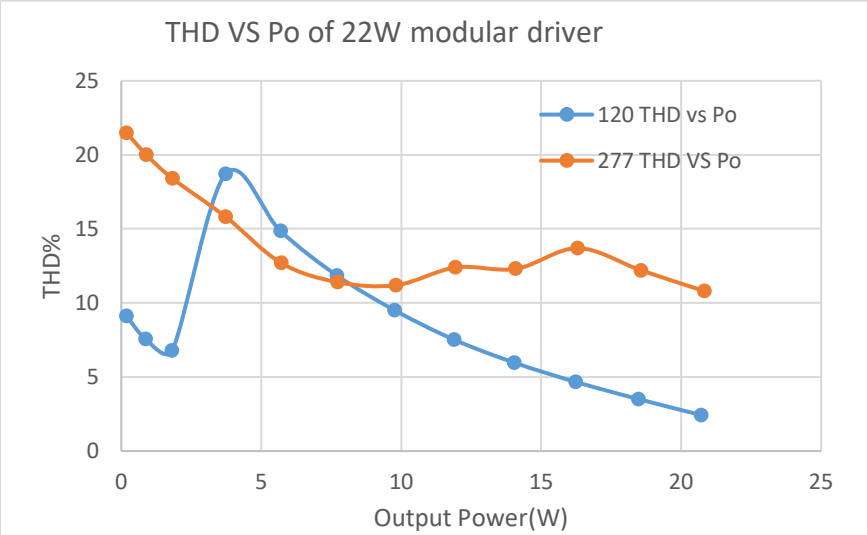
Dim-to-Off Function

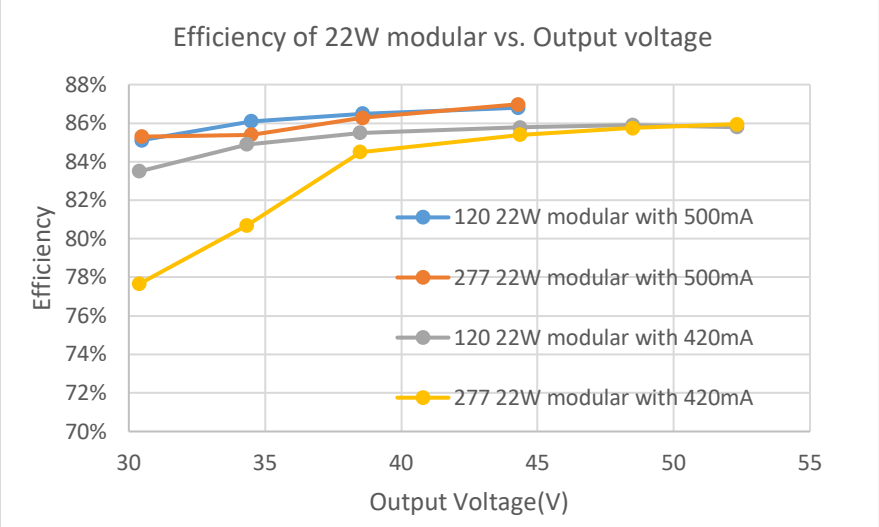
Symbol	Parameter	Min	Typical	Max	Unit
Von	Turn on threshold	0.60	0.7	0.8	V
Voff	Turn off threshold	0.3	0.40	0.5	V
Ton	Turn on time	-	-	250	ms
Toff	Turn off time	-	-	1000	ms



22W modular driver: GED22MCV2P500P







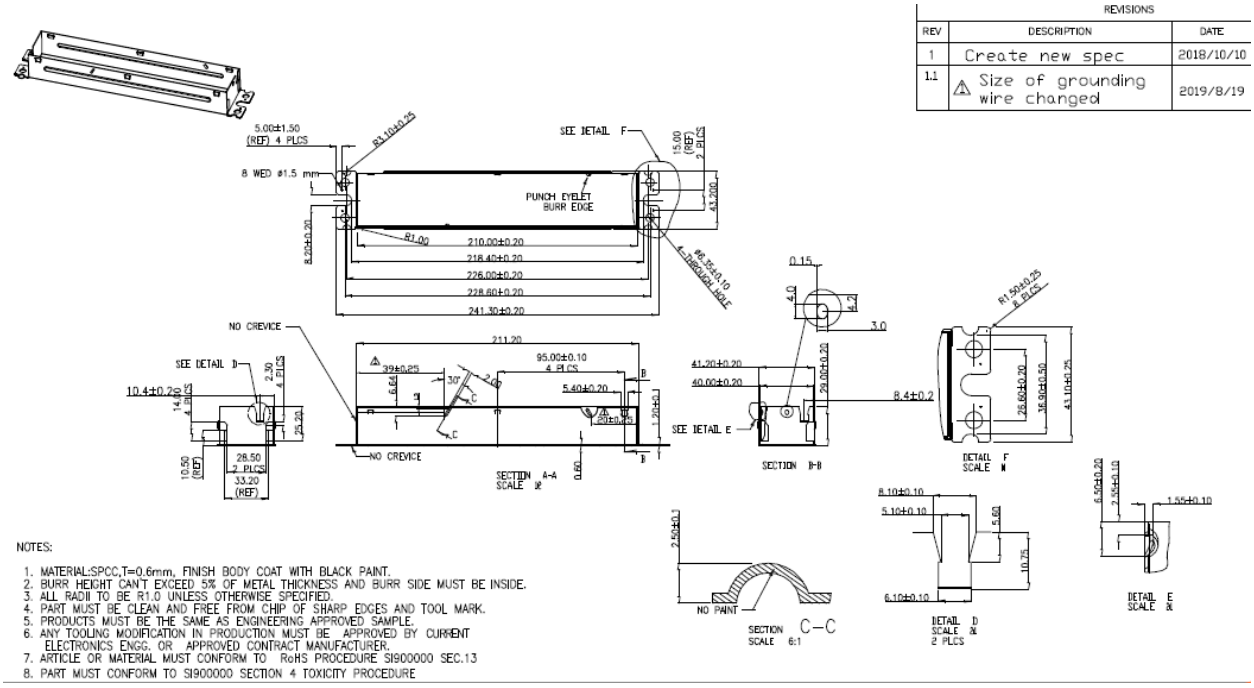
Inrush current

Input Inrush Current		
Input Voltage **Vrms**	**Peak Current Pulse** **(A)**	**Pulse Duration (50% of Peak)** **(uS)**
120	21.4A	242.20
277	51.4A	240.30

Input Ground Leakage Current

Input Voltage Vrms (V)	Leakage Current (uA)
120	290
277	680

Mechanical dimensions



Product Label

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