

# TECHNICAL DATA SHEET

## 20W CC DRIVER

Output Rating: 36V, 500mA

Model No: ECC30V42040A065



### Input Specifications

S. No.	Parameter	Specification
1.	Nominal Input Voltage	240Vac, Single Phase
2.	Operating Frequency Range	47Hz to 60Hz
3.	Performance Input Voltage Range	140Vac - 285Vac
4.	Input Wattage	20W $\pm$ 2W
5.	Input Current @ 240Vac	95mA (Maximum)
6.	Total Harmonic Distortion @ 240Vac	< 10%
7.	Power Factor	> 0.95

### Output Specifications

S. No.	Parameter	Specification
1.	Output Voltage	36V
2.	Output Current	500 mAmp $\pm$ 5%
3.	LED Current Regulation from input Voltage 140Vac to 285Vac	$\pm$ 5%
4.	Output Voltage Ripple (Peak to Average)	< 10%
5.	Output Current Ripple (Peak to Average)	< 30%

### General Specifications

S. No.	Parameter	Specification
1.	Driver Efficiency	> 85%
2.	Electrical Class	Class II
3.	Ingress Protection	IP20
4.	Operational Temperature Range	-10°C to 50°C Ambient
5.	Max Case Temperature @ Tc point	75°C
6.	Case Temperature @ Tc point for warranty	65°C
7.	Product Life @ Tc 65°C	50000 Hours
	Product Life @ Tc 75°C	25000 Hours
8.	RoHS Compliance	Complied

### Protections and Driver Safety:

S. No.	Parameter	Specification
1.	Output Open Circuit Protection	Provided
2.	Output Short Circuit Protection	Provided
3.	Input Low Voltage ON Point	> 80V
	Input Low Voltage Fold-back	<125Vac
4.	Input High Voltage Cut-off	320V $\pm$ 10V
	Input High Voltage Reconnect	300V $\pm$ 10V
	Input 440V withstanding	>48 Hours
5.	Over Temperature Cut-Off	> 150°C (IC Feature)
6.	Isolation Between Input to Output	1.5KV
7.	Insulation Resistance	> 10MOhms
8.	Surge Protection	4KV (Differential Mode)
	Surge Withstanding (No of 4KV Pulses)	> 500

### Other Specifications

S. No.	Parameter	Specification
1.	Housing Material	Polycarbonate
2.	Dimensions(mm)	210mm x 30mm x 25mm (L x B x H)
3.	Weight	~ 100 gms
4.	Input Connection	Push in Connector
	Output Connection	Push in Connector

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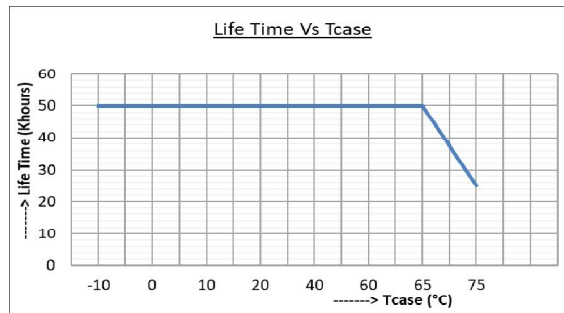
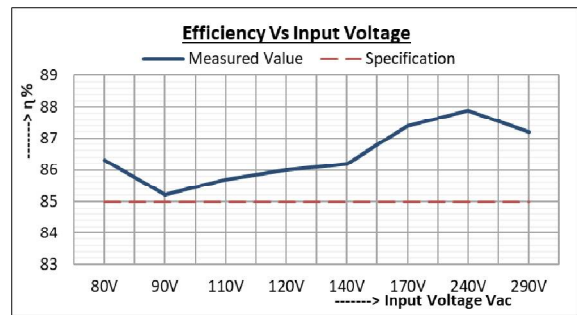
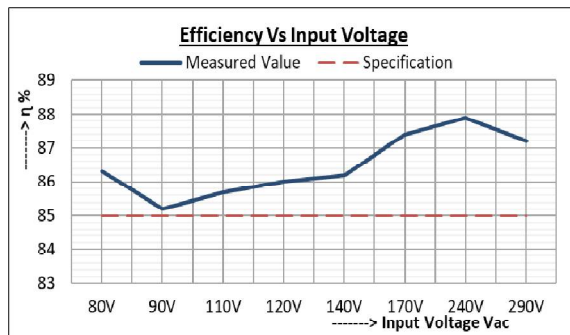
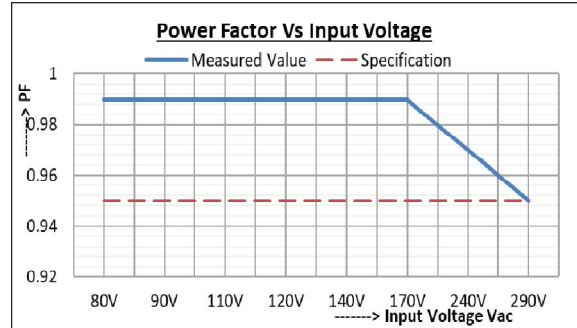
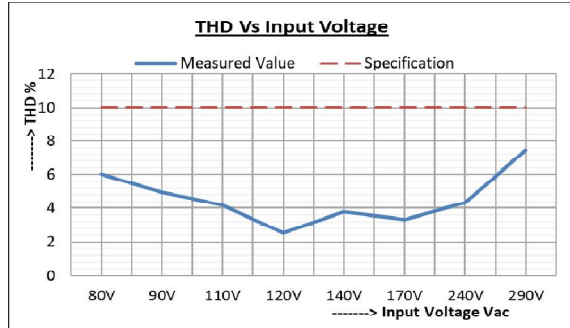
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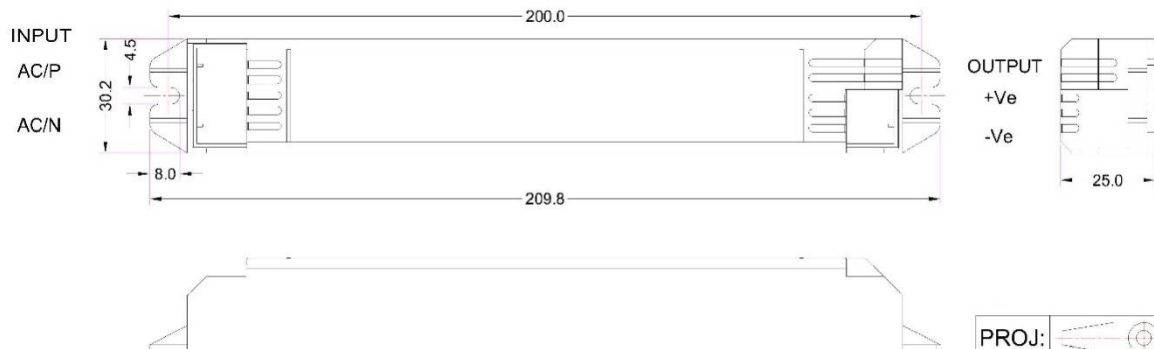
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### Typical trend of Different Parameters:



### Dimensional Drawing:



Unspecified tolerances:  $\pm 1\text{mm}$ .  
All Dimensions are in mm.