



Incredible Underwater LED Lights Inc.

10166 66th Street North

Pinellas Park, FL 33782



MEGA WATT

Specification Sheet

Mega Watt Technical Specifications

Input	AC Current (momentary startup)	7.0A
	AC Current (continuous)	1.8A
	Power (continuous)	79W
	Voltage Range	85VAC-277VAC
	Frequency	47Hz-63Hz
	Efficiency	>91%
	Leakage Current	<2.5mA/240VAC
Output	DC Voltage Range	24V-36V
	Ripple&Noise	180mvp-p
	Voltage Tolerance	±3.0%
	Current Accuracy	±3.0%
	Line Regulation	±1%
	Load Regulation	±1.0%
	Set-up, Rise Time	500ms 80ms/230VAC, 600ms 80ms/110VAC
Hold-up Time	50ms/230VAC, 25ms/110VAC @ full load	
Protection	Current Protection	±1% (current limiting type)
	Over-Voltage	110%-130% (shutdown and latch off O/P voltage, repower on to recover)
	Over-Load	130% (shutdown and latch off O/P voltage, repower on to recover)
	Short Circuit	hiccup mode - recovers automatically after trouble shoot
	Over-Temperature	85°C±10°C (shut down O/P voltage, repower on recover)
Driver Specifications	IP Code	IP67
	Working Environment Temp.	-45° to 70°C
	Working Environment Humidity	10%-90%RH
	Storage Temp.	-40° to 85°C
	Storage Humidity	10%-95%RH non-condensing
	Withstand Vibration	10Hz-500Hz, 2G 10min/1cycle, period for 60 mins, each axis
	Withstand Voltage	I/P-O/P: 1.5KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC
	Isolated Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M ohms/500VDC
	Safety Standard	Fit UL1012
	EMC Standard	Fit EN 55015/EN 61000/EN 61547, CLASS A
	Dimensions	9.45" (240mm) length x 2.76" (70mm) width x 1.57" (40mm) height
	Weight	2.87 lbs (1.3kg)
	No Load Power Consumption	<1W
	MTBF	250K hrs min, MIL-HDBK-217F
Other	Light Dimensions	9.27" (235mm) length x 8.35" (212mm) width x 4.35" (110mm) height
	LEDs	280 1W LEDs