

AC-DC Single Output Voltage external Power Supply Test Report

Lab Test Results

Manufacturer Name	GLOBTEK, INC.
Model	EL6 160W 12V
Type, P/N	

Limits			
		Energy Star Level VI	
		Ave. Efficiency	No Load power
		88.00%	0.21
RESULTS	115Vac	91.876%	0.07
	230Vac	91.799%	0.06

Nameplate Specifications

Related Product Specifications	Input	Output
Voltage (V)	100-240	12
Current (A)	2.2A MAX	13.33
Power (Watts)		159.96
Frequency (Hz)	50-60	DC

TEST RESULT	PASS
-------------	------

	Active Power Measurements (30min Initial Warm-Up, 5min stability time per load condition)					No Load	
Percent of Rated Load	100%	75%	50%	25%	0%		Average
DC Output Current (mA)	13330.0	9997.5	6665.0	3332.5	0.0		
DC Output Current measured (mA) (+/-2% Ref)	13330.0	9997.5	6665.0	3332.5	0.0		
DC Output Voltage (V)	11.7900	11.8600	11.9100	11.9800	12.0700		
DC Output Power (W)	157.16070	118.57035	79.38015	39.92335	0.00000		
AC Input Voltage (V)	115						
AC Input Power (W)	169.500	128.600	86.660	43.880	0.070		
Total Harmonic Distortion (THD%) (1/Total)							
True Power Factor(Watts/VA)	0.9921	0.9853	0.9743	0.9532	0.0168		
Ac Input Frequency	60	60	60	60	60		
Power Consumed by UUT (W)	12.339	10.030	7.280	3.957			
Efficiency	92.720%	92.201%	91.600%	90.983%			91.876%

	Active Power Measurements (30min Initial Warm-Up, 5min stability time per load condition)					No Load	
Percent of Rated Load	100%	75%	50%	25%	0%		Average
DC Output Current (mA)	13330.0	9997.5	6665.0	3332.5	0.0		
DC Output Current measured (mA) (+/-2% Ref)	13330.00	9997.50	6665.00	3332.50	0.00		
DC Output Voltage (V)	11.7600	11.8300	11.8900	11.9800	12.0700		
DC Output Power (W)	156.76080	118.27043	79.24685	39.92335	0.00000		
AC Input Voltage (V)	230						
AC Input Power (W)	169.000	128.667	86.468	43.935	0.060		
Total Harmonic Distortion (THD%) (1/Total)							
True Power Factor(Watts/VA)	0.963	0.935	0.904	0.846	0.0190		
Ac Input Frequency	50	50	50	50	50		
Power Consumed by UUT (W)	12.239	10.397	7.221	4.012			
Efficiency	92.758%	91.920%	91.649%	90.869%			91.799%

AC-DC Single Output Voltage external Power Supply Test Report

Lab Test Results

Manufacturer Name	GLOBTEK, INC.
Model	EL6 170W 15V
Type, P/N	

Limits			
		Energy Star Level VI	
		Ave. Efficiency	No Load power
		88.00%	0.21
RESULTS	115Vac	90.624%	0.07
	230Vac	90.415%	0.06

Nameplate Specifications

Related Product Specifications	Input	Output
Voltage (V)	100-240	15
Current (A)	2.2A MAX	11.33
Power (Watts)		169.95
Frequency (Hz)	50-60	DC

TEST RESULT	PASS
-------------	------

	Active Power Measurements (30min Initial Warm-Up, 5min stability time per load condition)					No Load	
Percent of Rated Load	100%	75%	50%	25%	0%		Average
DC Output Current (mA)	11330.0	8497.5	5665.0	2832.5	0.0		
DC Output Current measured (mA) (+/-2% Ref)	11330.0	8497.5	5665.0	2832.5	0.0		
DC Output Voltage (V)	14.6400	14.7400	14.8500	14.9500	15.0500		
DC Output Power (W)	165.87120	125.25315	84.12525	42.34588	0.00000		
AC Input Voltage (V)	115						
AC Input Power (W)	181.300	137.800	93.200	47.130	0.070		
Total Harmonic Distortion (THD%) (1/Total)							
True Power Factor(Watts/VA)	0.9941	0.9876	0.9735	0.9543	0.0168		
Ac Input Frequency	60	60	60	60	60		
Power Consumed by UUT (W)	15.429	12.547	9.075	4.784			
Efficiency	91.490%	90.895%	90.263%	89.849%			90.624%

	Active Power Measurements (30min Initial Warm-Up, 5min stability time per load condition)					No Load	
Percent of Rated Load	100%	75%	50%	25%	0%		Average
DC Output Current (mA)	11330.0	8497.5	5665.0	2832.5	0.0		
DC Output Current measured (mA) (+/-2% Ref)	11330.00	8497.50	5665.00	2832.50	0.00		
DC Output Voltage (V)	14.6400	14.7400	14.8400	14.9500	15.0500		
DC Output Power (W)	165.87120	125.25315	84.06860	42.34588	0.00000		
AC Input Voltage (V)	230						
AC Input Power (W)	181.580	137.650	93.550	47.340	0.060		
Total Harmonic Distortion (THD%) (1/Total)							
True Power Factor(Watts/VA)	0.964	0.936	0.905	0.848	0.0190		
Ac Input Frequency	50	50	50	50	50		
Power Consumed by UUT (W)	15.709	12.397	9.481	4.994			
Efficiency	91.349%	90.994%	89.865%	89.451%			90.415%

AC-DC Single Output Voltage external Power Supply Test Report

Lab Test Results

Manufacturer Name	GLOBTEK, INC.
Model	EL6 170W 18V
Type, P/N	

Limits			
		Energy Star Level VI	
		Ave. Efficiency	No Load power
		88.00%	0.21
RESULTS	115Vac	90.088%	0.08
	230Vac	89.731%	0.07

Nameplate Specifications

Related Product Specifications	Input	Output
Voltage (V)	100-240	18
Current (A)	2.2A MAX	9.44
Power (Watts)		169.92
Frequency (Hz)	50-60	DC

TEST RESULT	PASS
-------------	------

	Active Power Measurements (30min Initial Warm-Up, 5min stability time per load condition)					No Load	
Percent of Rated Load	100%	75%	50%	25%	0%		Average
DC Output Current (mA)	9440.0	7080.0	4720.0	2360.0	0.0		
DC Output Current measured (mA) (+/-2% Ref)	9440.0	7080.0	4720.0	2360.0	0.0		
DC Output Voltage (V)	17.7200	17.8500	17.9300	18.1100	18.2100		
DC Output Power (W)	167.27680	126.37800	84.62960	42.73960	0.00000		
AC Input Voltage (V)	115						
AC Input Power (W)	184.300	140.280	93.680	47.935	0.080		
Total Harmonic Distortion (THD%) (1/Total)							
True Power Factor(Watts/VA)	0.9930	0.9880	0.9742	0.9534	0.0009		
Ac Input Frequency	60	60	60	60	60		
Power Consumed by UUT (W)	17.023	13.902	9.050	5.195			
Efficiency	90.763%	90.090%	90.339%	89.162%			

	Active Power Measurements (30min Initial Warm-Up, 5min stability time per load condition)					No Load	
Percent of Rated Load	100%	75%	50%	25%	0%		Average
DC Output Current (mA)	9440.0	7080.0	4720.0	2360.0	0.0		
DC Output Current measured (mA) (+/-2% Ref)	9440.00	7080.00	4720.00	2360.00	0.00		
DC Output Voltage (V)	17.7200	17.8500	17.9300	18.1100	18.2100		
DC Output Power (W)	167.27680	126.37800	84.62960	42.73960	0.00000		
AC Input Voltage (V)	230						
AC Input Power (W)	184.300	140.870	94.210	48.230	0.070		
Total Harmonic Distortion (THD%) (1/Total)							
True Power Factor(Watts/VA)	0.966	0.933	0.903	0.850	0.0008		
Ac Input Frequency	50	50	50	50	50		
Power Consumed by UUT (W)	17.023	14.492	9.580	5.490			
Efficiency	90.763%	89.713%	89.831%	88.616%			

AC-DC Single Output Voltage external Power Supply Test Report

Lab Test Results

Manufacturer Name	GLOBTEK, INC.
Model	EL6 180W 19V
Type, P/N	

Limits			
		Energy Star Level VI	
		Ave. Efficiency	No Load power
		88.00%	0.21
RESULTS	115Vac	89.645%	0.08
	230Vac	89.350%	0.07

Nameplate Specifications

Related Product Specifications	Input	Output
Voltage (V)	100-240	19
Current (A)	2.2A MAX	9.47
Power (Watts)		179.93
Frequency (Hz)	50-60	DC

TEST RESULT	PASS
-------------	------

	Active Power Measurements (30min Initial Warm-Up, 5min stability time per load condition)					No Load	
Percent of Rated Load	100%	75%	50%	25%	0%		Average
DC Output Current (mA)	9470.0	7102.5	4735.0	2367.5	0.0		
DC Output Current measured (mA) (+/-2% Ref)	9470.0	7102.5	4735.0	2367.5	0.0		
DC Output Voltage (V)	18.4600	18.6300	18.8000	18.9700	19.1500		
DC Output Power (W)	174.81620	132.31958	89.01800	44.91148	0.00000		
AC Input Voltage (V)	115						
AC Input Power (W)	193.300	146.850	99.320	50.800	0.080		
Total Harmonic Distortion (THD%) (1/Total)							
True Power Factor(Watts/VA)	0.994	0.989	0.976	0.958	0.0011		
Ac Input Frequency	60	60	60	60	60		
Power Consumed by UUT (W)	18.484	14.530	10.302	5.889			
Efficiency	90.438%	90.105%	89.627%	88.408%			89.645%

	Active Power Measurements (30min Initial Warm-Up, 5min stability time per load condition)					No Load	
Percent of Rated Load	100%	75%	50%	25%	0%		Average
DC Output Current (mA)	9470.0	7102.5	4735.0	2367.5	0.0		
DC Output Current measured (mA) (+/-2% Ref)	9470.00	7102.50	4735.00	2367.50	0.00		
DC Output Voltage (V)	18.3600	18.5300	18.7100	18.8800	19.0500		
DC Output Power (W)	173.86920	131.60933	88.59185	44.69840	0.00000		
AC Input Voltage (V)	230						
AC Input Power (W)	192.890	146.500	99.580	50.530	0.070		
Total Harmonic Distortion (THD%) (1/Total)							
True Power Factor(Watts/VA)	0.967	0.935	0.906	0.846	0.0009		
Ac Input Frequency	50	50	50	50	50		
Power Consumed by UUT (W)	19.021	14.891	10.988	5.832			
Efficiency	90.139%	89.836%	88.966%	88.459%			89.350%

AC-DC Single Output Voltage external Power Supply Test Report

Lab Test Results

Manufacturer Name	GLOBTEK, INC.
Model	EL6 180W 24V
Type, P/N	

Limits			
		Energy Star Level VI	
		Ave. Efficiency	No Load power
		88.00%	0.21
RESULTS	115Vac	90.128%	0.07
	230Vac	90.234%	0.05

Nameplate Specifications

Related Product Specifications	Input	Output
Voltage (V)	100-240	24
Current (A)	2.2A MAX	7.5
Power (Watts)		180
Frequency (Hz)	50-60	DC

TEST RESULT	PASS
-------------	------

	Active Power Measurements (30min Initial Warm-Up, 5min stability time per load condition)					No Load	
Percent of Rated Load	100%	75%	50%	25%	0%		Average
DC Output Current (mA)	7500.0	5625.0	3750.0	1875.0	0.0		
DC Output Current measured (mA) (+/-2% Ref)	7500.0	5625.0	3750.0	1875.0	0.0		
DC Output Voltage (V)	23.7200	23.8100	23.9300	24.0200	24.1300		
DC Output Power (W)	177.90000	133.93125	89.73750	45.03750	0.00000		
AC Input Voltage (V)	115						
AC Input Power (W)	196.850	148.350	99.670	50.140	0.070		
Total Harmonic Distortion (THD%) (1/Total)							
True Power Factor(Watts/VA)	0.995	0.985	0.973	0.955	0.0168		
Ac Input Frequency	60	60	60	60	60		
Power Consumed by UUT (W)	18.950	14.419	9.933	5.103			
Efficiency	90.373%	90.281%	90.035%	89.823%			90.128%

	Active Power Measurements (30min Initial Warm-Up, 5min stability time per load condition)					No Load	
Percent of Rated Load	100%	75%	50%	25%	0%		Average
DC Output Current (mA)	7500.0	5625.0	3750.0	1875.0	0.0		
DC Output Current measured (mA) (+/-2% Ref)	7500.00	5625.00	3750.00	1875.00	0.00		
DC Output Voltage (V)	23.7200	23.8100	23.9300	24.0300	24.1300		
DC Output Power (W)	177.90000	133.93125	89.73750	45.05625	0.00000		
AC Input Voltage (V)	230						
AC Input Power (W)	196.380	148.380	99.580	50.080	0.050		
Total Harmonic Distortion (THD%) (1/Total)							
True Power Factor(Watts/VA)	0.964	0.936	0.903	0.845	0.0190		
Ac Input Frequency	50	50	50	50	50		
Power Consumed by UUT (W)	18.480	14.449	9.843	5.024			
Efficiency	90.590%	90.262%	90.116%	89.969%			90.234%

AC-DC Single Output Voltage external Power Supply Test Report

Lab Test Results

Manufacturer Name	GLOBTEK, INC.
Model	EL6 180W 36V
Type, P/N	

Limits			
		Energy Star Level VI	
		Ave. Efficiency	No Load power
		88.00%	0.21
RESULTS	115Vac	90.858%	0.08
	230Vac	90.185%	0.07

Nameplate Specifications

Related Product Specifications	Input	Output
Voltage (V)	100-240	36
Current (A)	2.2A MAX	5
Power (Watts)		180
Frequency (Hz)	50-60	DC

TEST RESULT	PASS
-------------	------

	Active Power Measurements (30min Initial Warm-Up, 5min stability time per load condition)					No Load	
Percent of Rated Load	100%	75%	50%	25%	0%		Average
DC Output Current (mA)	5000.0	3750.0	2500.0	1250.0	0.0		
DC Output Current measured (mA) (+/-2% Ref)	5000.0	3750.0	2500.0	1250.0	0.0		
DC Output Voltage (V)	35.4200	35.5500	35.6800	36.9200	36.1800		
DC Output Power (W)	177.10000	133.31250	89.20000	46.15000	0.00000		
AC Input Voltage (V)	115						
AC Input Power (W)	193.210	145.680	98.880	51.250	0.080		
Total Harmonic Distortion (THD%) (1/Total)							
True Power Factor(Watts/VA)	0.993	0.986	0.971	0.953	0.0011		
Ac Input Frequency	60	60	60	60	60		
Power Consumed by UUT (W)	16.110	12.368	9.680	5.100			
Efficiency	91.662%	91.511%	90.210%	90.049%			90.858%

	Active Power Measurements (30min Initial Warm-Up, 5min stability time per load condition)					No Load	
Percent of Rated Load	100%	75%	50%	25%	0%		Average
DC Output Current (mA)	5000.0	3750.0	2500.0	1250.0	0.0		
DC Output Current measured (mA) (+/-2% Ref)	5000.00	3750.00	2500.00	1250.00	0.00		
DC Output Voltage (V)	35.4400	35.5700	35.7100	35.9500	36.1900		
DC Output Power (W)	177.20000	133.38750	89.27500	44.93750	0.00000		
AC Input Voltage (V)	230						
AC Input Power (W)	193.380	145.730	99.050	51.390	0.070		
Total Harmonic Distortion (THD%) (1/Total)							
True Power Factor(Watts/VA)	0.965	0.932	0.904	0.845	0.0009		
Ac Input Frequency	50	50	50	50	50		
Power Consumed by UUT (W)	16.180	12.343	9.775	6.453			
Efficiency	91.633%	91.531%	90.131%	87.444%			90.185%

AC-DC Single Output Voltage external Power Supply Test Report

Lab Test Results

Manufacturer Name	GLOBTEK, INC.
Model	EL6 180W 48V
Type, P/N	

Limits			
		Energy Star Level VI	
		Ave. Efficiency	No Load power
		88.00%	0.21
RESULTS	115Vac	90.090%	0.09
	230Vac	89.935%	0.08

Nameplate Specifications

Related Product Specifications	Input	Output
Voltage (V)	100-240	48
Current (A)	2.2A MAX	3.75
Power (Watts)		180
Frequency (Hz)	50-60	DC

TEST RESULT	PASS
-------------	------

	Active Power Measurements (30min Initial Warm-Up, 5min stability time per load condition)					No Load	
Percent of Rated Load	100%	75%	50%	25%	0%		Average
DC Output Current (mA)	3750.0	2812.5	1875.0	937.5	0.0		
DC Output Current measured (mA) (+/-2% Ref)	3750.0	2812.5	1875.0	937.5	0.0		
DC Output Voltage (V)	47.9000	47.9600	48.0400	48.1000	48.1700		
DC Output Power (W)	179.62500	134.88750	90.07500	45.09375	0.00000		
AC Input Voltage (V)	115						
AC Input Power (W)	197.880	148.820	99.750	50.870	0.090		
Total Harmonic Distortion (THD%) (1/Total)							
True Power Factor(Watts/VA)	0.9905	0.9861	0.9673	0.9518	0.0011		
Ac Input Frequency	60	60	60	60	60		
Power Consumed by UUT (W)	18.255	13.933	9.675	5.776			
Efficiency	90.775%	90.638%	90.301%	88.645%			90.090%

	Active Power Measurements (30min Initial Warm-Up, 5min stability time per load condition)					No Load	
Percent of Rated Load	100%	75%	50%	25%	0%		Average
DC Output Current (mA)	3750.0	2812.5	1875.0	937.5	0.0		
DC Output Current measured (mA) (+/-2% Ref)	3750.00	2812.50	1875.00	937.50	0.00		
DC Output Voltage (V)	47.9000	47.9800	48.0500	48.1200	48.1900		
DC Output Power (W)	179.62500	134.94375	90.09375	45.11250	0.00000		
AC Input Voltage (V)	230						
AC Input Power (W)	198.050	149.540	99.930	50.890	0.080		
Total Harmonic Distortion (THD%) (1/Total)							
True Power Factor(Watts/VA)	0.9625	0.9534	0.9142	0.8717	0.0090		
Ac Input Frequency	50	50	50	50	50		
Power Consumed by UUT (W)	18.425	14.596	9.836	5.778			
Efficiency	90.697%	90.239%	90.157%	88.647%			89.935%

AC-DC Single Output Voltage external Power Supply Test Report

Lab Test Results

Manufacturer Name	GLOBTEK, INC.
Model	EL6 180W 54V
Type, P/N	

Limits			
		Energy Star Level VI	
		Ave. Efficiency	No Load power
		88.00%	0.21
RESULTS	115Vac	90.427%	0.10
	230Vac	90.653%	0.09

Nameplate Specifications

Related Product Specifications	Input	Output
Voltage (V)	100-240	54
Current (A)	2.2A MAX	3.33
Power (Watts)		179.82
Frequency (Hz)	50-60	DC

TEST RESULT	PASS
-------------	------

	Active Power Measurements (30min Initial Warm-Up, 5min stability time per load condition)					No Load	
Percent of Rated Load	100%	75%	50%	25%	0%		Average
DC Output Current (mA)	3330.0	2497.5	1665.0	832.5	0.0		
DC Output Current measured (mA) (+/-2% Ref)	3330.0	2497.5	1665.0	832.5	0.0		
DC Output Voltage (V)	53.9200	53.9800	54.0400	54.1000	54.1600		
DC Output Power (W)	179.55360	134.81505	89.97660	45.03825	0.00000		
AC Input Voltage (V)	115						
AC Input Power (W)	197.900	148.890	99.680	49.950	0.100		
Total Harmonic Distortion (THD%) (1/Total)							
True Power Factor(Watts/VA)	0.993	0.984	0.964	0.954	0.0090		
Ac Input Frequency	60	60	60	60	60		
Power Consumed by UUT (W)	18.346	14.075	9.703	4.912			
Efficiency	90.729%	90.547%	90.265%	90.167%			90.427%

	Active Power Measurements (30min Initial Warm-Up, 5min stability time per load condition)					No Load	
Percent of Rated Load	100%	75%	50%	25%	0%		Average
DC Output Current (mA)	3330.0	2497.5	1665.0	832.5	0.0		
DC Output Current measured (mA) (+/-2% Ref)	3330.00	2497.50	1665.00	832.50	0.00		
DC Output Voltage (V)	53.4600	53.9900	54.0500	54.1200	54.1000		
DC Output Power (W)	178.02180	134.84003	89.99325	45.05490	0.00000		
AC Input Voltage (V)	230						
AC Input Power (W)	196.980	147.910	99.030	49.950	0.090		
Total Harmonic Distortion (THD%) (1/Total)							
True Power Factor(Watts/VA)	0.963	0.955	0.912	0.873	0.0090		
Ac Input Frequency	50	50	50	50	50		
Power Consumed by UUT (W)	18.958	13.070	9.037	4.895			
Efficiency	90.376%	91.164%	90.875%	90.200%			90.653%