



**GlobTek, Inc.**

## US DoE Energy Level VI & EU CoC Tier 2 Report

Test Location	Northvale, NJ, USA	
Model No.	GTM96180-1507-2.0-(T2,T2A,T3,T3A)	
P/N:		
Engineer:	Lorenzo R. Madariaga II	
Date Tested:	28-Sep-15	
Nameplate Specifications:		
Product Specifications	Input	Output
Voltage (V)	100V (60Hz) to 240V (50Hz)	5
Current (A)		3
Power (W)		15

Equipment	Manufacturer	Description
Power Analyzer	Yokogawa	WT3000 Precision Power Analyzer
		Model 760302
		No: 91R225637
AC Source	Chroma	Programmable AC Source
		Model 61503
Electronic Load	Array	DC E-Load
		Model 3711A

US DoE Energy Level VI & EU CoC Tier 2 Limits		
Standard	4-Pt Average Efficiency	No Load Power (W)
DoE Energy Level VI	81.385%	0.1
EU CoC Tier 2 (230VAC Only)	81.835%	0.075

Efficiency		
Loading Condition (% of rated full load)	115VAC	230VAC
100%	80.172%	81.853%
75%	81.786%	82.818%
50%	83.937%	83.311%
25%	84.631%	82.830%
4-Pt Average	82.632%	82.703%

No Load Power		
	115VAC	230VAC
Measured Power (W)	0.023	0.057



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## US DoE Energy Level VI & EU CoC Tier 2 Report

Test Location	Northvale, NJ, USA	
Model No.	GTM96180-1507-2.0-(T2,T2A,T3,T3A)	
P/N:		
Engineer:	Tim Laux	
Date Tested:	7-Jul-17	
Nameplate Specifications:		
Product Specifications	Input	Output
Voltage (V)	100V (60Hz) to 240V (50Hz)	5
Current (A)		3.2
Power (W)		16

Equipment	Manufacturer	Description
Power Analyzer	Yokogawa	WT3000 Precision Power Analyzer
		Model 760302
		No: 91R225637
AC Source	Chroma	Programmable AC Source
		Model 61503
Electronic Load	Array	DC E-Load
		Model 3711A

US DoE Energy Level VI & EU CoC Tier 2 Limits		
Standard	4-Pt Average Efficiency	No Load Power (W)
DoE Energy Level VI	81.783%	0.1
EU CoC Tier 2 (230VAC Only)	82.263%	0.075

Efficiency		
Loading Condition (% of rated full load)	115VAC	230VAC
100%	79.755%	80.964%
75%	81.904%	82.735%
50%	83.641%	83.420%
25%	84.442%	82.234%
4-Pt Average	82.436%	82.338%

No Load Power		
	115VAC	230VAC
Measured Power (W)	0.027	0.055



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## US DoE Energy Level VI & EU CoC Tier 2 Report

Test Location	GlobTek Suzhou	
Model No.	GTM96180-1807-1.05-T3A	
P/N:		
Engineer:	Suzhou	
Date Tested:	5-Dec-16	
Nameplate Specifications:		
Product Specifications	Input	Output
Voltage (V)	100V (60Hz) to 240V (50Hz)	5.95
Current (A)		3
Power (W)		17.85

Equipment	Manufacturer	Description
Power Analyzer	ZLG	Digital Power Meter
		Model PA310
AC Source	Chroma	Programmable AC Source
		Model 61603
Electronic Load	Prodigit	Electronic Load Module
		Model 3311D

US DoE Energy Level VI & EU CoC Tier 2 Limits		
Standard	4-Pt Average Efficiency	No Load Power (W)
DoE Energy Level VI	82.437%	0.1
EU CoC Tier 2 (230VAC Only)	82.972%	0.075

Efficiency		
Loading Condition (% of rated full load)	115VAC	230VAC
100%	81.675%	83.200%
75%	83.141%	84.013%
50%	85.015%	84.414%
25%	86.261%	84.854%
4-Pt Average	84.023%	84.120%

No Load Power		
	115VAC	230VAC
Measured Power (W)	0.033	0.053



## US DoE Energy Level VI & EU CoC Tier 2 Report

Test Location	Northvale, NJ, USA	
Model No.	GTM96180-1611-3.5	
P/N:		
Engineer:	Lorenzo R. Madariaga II	
Date Tested:	28-Aug-17	
Nameplate Specifications:		
Product Specifications	Input	Output
Voltage (V)	100V (60Hz) to 240V (50Hz)	7.5
Current (A)		2.14
Power (W)		16.05

Equipment	Manufacturer	Description
Power Analyzer	Yokogawa	WT3000 Precision Power Analyzer
		Model 760302
		No: 91R225637
AC Source	Chroma	Programmable AC Source
		Model 61503
Electronic Load	Array	DC E-Load
		Model 3711A

US DoE Energy Level VI & EU CoC Tier 2 Limits		
<i>Standard</i>	<i>4-Pt Average Efficiency</i>	<i>No Load Power (W)</i>
DoE Energy Level VI	84.461%	0.1
EU CoC Tier 2 (230VAC Only)	84.862%	0.075

Efficiency		
<i>Loading Condition (% of rated full load)</i>	<i>115VAC</i>	<i>230VAC</i>
100%	84.240%	85.601%
75%	85.538%	86.105%
50%	86.398%	85.863%
25%	86.253%	84.300%
4-Pt Average	85.607%	85.467%

No Load Power		
	<i>115VAC</i>	<i>230VAC</i>
Measured Power (W)	0.029	0.058



## US DoE Energy Level VI & EU CoC Tier 2 Report

Test Location	Northvale, NJ, USA	
Model No.	GTM96180-1811-3.5	
P/N:		
Engineer:	Lorenzo R. Madariaga II	
Date Tested:	29-Aug-17	
Nameplate Specifications:		
Product Specifications	Input	Output
Voltage (V)	100V (60Hz) to 240V (50Hz)	7.5
Current (A)		2.4
Power (W)		18

Equipment	Manufacturer	Description
Power Analyzer	Yokogawa	WT3000 Precision Power Analyzer
		Model 760302
		No: 91R225637
AC Source	Chroma	Programmable AC Source
		Model 61503
Electronic Load	Array	DC E-Load
		Model 3711A

US DoE Energy Level VI & EU CoC Tier 2 Limits		
<i>Standard</i>	<i>4-Pt Average Efficiency</i>	<i>No Load Power (W)</i>
DoE Energy Level VI	85.002%	0.1
EU CoC Tier 2 (230VAC Only)	85.452%	0.075

Efficiency		
<i>Loading Condition (% of rated full load)</i>	<i>115VAC</i>	<i>230VAC</i>
100%	83.601%	85.803%
75%	85.504%	86.416%
50%	86.482%	86.387%
25%	86.082%	84.993%
4-Pt Average	85.417%	85.900%

No Load Power		
	<i>115VAC</i>	<i>230VAC</i>
Measured Power (W)	0.029	0.059



**GlobTek, Inc.**

## US DoE Energy Level VI & EU CoC Tier 2 Report

Test Location	GlobTek Suzhou	
Model No.	GTM96180-1811-2.0-T3A	
P/N:		
Engineer:	Suzhou	
Date Tested:	5-Dec-16	
Nameplate Specifications:		
Product Specifications	Input	Output
Voltage (V)	100V (60Hz) to 240V (50Hz)	9
Current (A)		2
Power (W)		18

Equipment	Manufacturer	Description
Power Analyzer	ZLG	Digital Power Meter
		Model PA310
AC Source	Chroma	Programmable AC Source
		Model 61603
Electronic Load	Prodigit	Electronic Load Module
		Model 3311D

US DoE Energy Level VI & EU CoC Tier 2 Limits		
<i>Standard</i>	<i>4-Pt Average Efficiency</i>	<i>No Load Power (W)</i>
DoE Energy Level VI	85.002%	0.1
EU CoC Tier 2 (230VAC Only)	85.452%	0.075

Efficiency		
<i>Loading Condition (% of rated full load)</i>	<i>115VAC</i>	<i>230VAC</i>
100%	83.522%	85.221%
75%	85.184%	85.769%
50%	86.513%	86.111%
25%	86.965%	85.958%
4-Pt Average	85.546%	85.765%

No Load Power		
	<i>115VAC</i>	<i>230VAC</i>
Measured Power (W)	0.026	0.054



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## US DoE Energy Level VI & EU CoC Tier 2 Report

Test Location	Northvale, NJ, USA	
Model No.	GTM96180-1812-(T2,T2A,T3,T3A)	
P/N:		
Engineer:	Lorenzo R. Madariaga II	
Date Tested:	16-Sep-15	
Nameplate Specifications:		
Product Specifications	Input	Output
Voltage (V)	100V (60Hz) to 240V (50Hz)	12
Current (A)		1.5
Power (W)		18

Equipment	Manufacturer	Description
Power Analyzer	Yokogawa	WT3000 Precision Power Analyzer
		Model 760302
		No: 91R225637
AC Source	Chroma	Programmable AC Source
		Model 61503
Electronic Load	Array	DC E-Load
		Model 3711A

US DoE Energy Level VI & EU CoC Tier 2 Limits		
Standard	4-Pt Average Efficiency	No Load Power (W)
DoE Energy Level VI	85.002%	0.1
EU CoC Tier 2 (230VAC Only)	85.452%	0.075

Efficiency		
Loading Condition (% of rated full load)	115VAC	230VAC
100%	86.328%	87.740%
75%	87.217%	87.837%
50%	87.628%	87.483%
25%	86.970%	85.934%
4-Pt Average	87.036%	87.249%

No Load Power		
	115VAC	230VAC
Measured Power (W)	0.02	0.058



**GlobTek, Inc.**

## US DoE Energy Level VI & EU CoC Tier 2 Report

Test Location	GlobTek Suzhou	
Model No.	GTM96180-1817.9-2.9-T3A	
P/N:		
Engineer:	Suzhou	
Date Tested:	5-Dec-16	
Nameplate Specifications:		
Product Specifications	Input	Output
Voltage (V)	100V (60Hz) to 240V (50Hz)	15
Current (A)		1.2
Power (W)		18

Equipment	Manufacturer	Description
Power Analyzer	ZLG	Digital Power Meter
		Model PA310
AC Source	Chroma	Programmable AC Source
		Model 61603
Electronic Load	Prodigit	Electronic Load Module
		Model 3311D

US DoE Energy Level VI & EU CoC Tier 2 Limits		
<i>Standard</i>	<i>4-Pt Average Efficiency</i>	<i>No Load Power (W)</i>
DoE Energy Level VI	85.002%	0.1
EU CoC Tier 2 (230VAC Only)	85.452%	0.075

Efficiency		
<i>Loading Condition (% of rated full load)</i>	<i>115VAC</i>	<i>230VAC</i>
100%	86.203%	87.464%
75%	89.081%	89.650%
50%	90.824%	90.523%
25%	91.359%	90.412%
4-Pt Average	89.367%	89.512%

No Load Power		
	<i>115VAC</i>	<i>230VAC</i>
Measured Power (W)	0.046	0.064





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## US DoE Energy Level VI & EU CoC Tier 2 Report

Test Location	Northvale, NJ, USA	
Model No.	GTM96180-1830-6.0-(T2,T2A,T3,T3A)	
P/N:		
Engineer:	Eric Visperas	
Date Tested:	16-Sep-15	
Nameplate Specifications:		
Product Specifications	Input	Output
Voltage (V)	100V (60Hz) to 240V (50Hz)	24
Current (A)		0.75
Power (W)		18

Equipment	Manufacturer	Description
Power Analyzer	Yokogawa	WT3000 Precision Power Analyzer
		Model 760302
		No: 91R225637
AC Source	Chroma	Programmable AC Source
		Model 61503
Electronic Load	Array	DC E-Load
		Model 3711A

US DoE Energy Level VI & EU CoC Tier 2 Limits		
Standard	4-Pt Average Efficiency	No Load Power (W)
DoE Energy Level VI	85.002%	0.1
EU CoC Tier 2 (230VAC Only)	85.452%	0.075

Efficiency		
Loading Condition (% of rated full load)	115VAC	230VAC
100%	87.283%	88.608%
75%	87.882%	88.269%
50%	87.935%	87.233%
25%	86.591%	84.688%
4-Pt Average	87.423%	87.200%

No Load Power		
	115VAC	230VAC
Measured Power (W)	0.041	0.067



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## US DoE Energy Level VI & EU CoC Tier 2 Report

Test Location	Northvale, NJ, USA	
Model No.	GTM96180-1848-(T2,T2A,T3,T3A)	
P/N:		
Engineer:	Lorenzo R. Madariaga II	
Date Tested:	7-Oct-15	
Nameplate Specifications:		
Product Specifications	Input	Output
Voltage (V)	100V (60Hz) to 240V (50Hz)	48
Current (A)		0.375
Power (W)		18

Equipment	Manufacturer	Description
Power Analyzer	Yokogawa	WT3000 Precision Power Analyzer
		Model 760302
		No: 91R225637
AC Source	Chroma	Programmable AC Source
		Model 61503
Electronic Load	Array	DC E-Load
		Model 3711A

US DoE Energy Level VI & EU CoC Tier 2 Limits		
Standard	4-Pt Average Efficiency	No Load Power (W)
DoE Energy Level VI	85.002%	0.1
EU CoC Tier 2 (230VAC Only)	85.452%	0.075

Efficiency		
Loading Condition (% of rated full load)	115VAC	230VAC
100%	88.562%	90.205%
75%	89.178%	89.913%
50%	89.187%	89.070%
25%	88.142%	87.072%
4-Pt Average	88.767%	89.065%

No Load Power		
	115VAC	230VAC
Measured Power (W)	0.044	0.07