



**GlobTek, Inc.**

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

Test Location	Northvale, NJ, USA	
Model No.	GTM96900P-9012-(T2, T2A, T3, T3A)	
P/N:		
Engineer:	Robert Chiu	
Date Tested:	8-Nov-16	
Nameplate Specifications:		
Product Specifications	Input	Output
Voltage (V)	100V (60Hz) to 240V (50Hz)	12
Current (A)		7.5
Power (W)		90

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	88.000%	0.21
EU CoC Tier 2 (230VAC Only)	89.000%	0.15

Efficiency		
Loading Condition (% of rated full load)	115VAC	230VAC
100%	89.968%	90.270%
75%	89.841%	90.758%
50%	89.966%	90.241%
25%	87.972%	87.952%
4-Pt Average	89.437%	89.805%

No Load Power		
	115VAC	230VAC
Measured Power (W)	0.109	0.137



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

Test Location	Northvale, NJ, USA	
Model No.	GTM96900P-9015-(T2, T2A, T3, T3A)	
P/N:		
Engineer:	Lorenzo R. Madariaga II	
Date Tested:	8-Nov-16	
Nameplate Specifications:		
Product Specifications	Input	Output
Voltage (V)	100V (60Hz) to 240V (50Hz)	15
Current (A)		6
Power (W)		90

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	88.000%	0.21
EU CoC Tier 2 (230VAC Only)	89.000%	0.15

Efficiency		
Loading Condition (% of rated full load)	115VAC	230VAC
100%	89.513%	90.751%
75%	89.872%	90.799%
50%	89.335%	89.902%
25%	85.848%	85.871%
4-Pt Average	88.642%	89.331%

No Load Power		
	115VAC	230VAC
Measured Power (W)	0.122	0.137



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

Test Location	Northvale, NJ, USA	
Model No.	GTM96900P-9019-(T2, T2A, T3, T3A)	
P/N:		
Engineer:	Lorenzo R. Madariaga II	
Date Tested:	23-Apr-18	
Nameplate Specifications:		
Product Specifications	Input	Output
Voltage (V)	100V (60Hz) to 240V (50Hz)	19
Current (A)		4.75
Power (W)		90.25

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	88.000%	0.21
EU CoC Tier 2 (230VAC Only)	89.000%	0.15

Efficiency		
Loading Condition (% of rated full load)	115VAC	230VAC
100%	89.775%	90.786%
75%	90.187%	90.879%
50%	89.569%	89.838%
25%	86.017%	85.440%
4-Pt Average	88.887%	89.236%

No Load Power		
	115VAC	230VAC
Measured Power (W)	0.111	0.135



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

Test Location	Northvale, NJ, USA	
Model No.	GTM96900P-9024-(T2, T2A, T3, T3A)	
P/N:		
Engineer:	Lorenzo R. Madariaga II	
Date Tested:	8-Nov-16	
Nameplate Specifications:		
Product Specifications	Input	Output
Voltage (V)	100V (60Hz) to 240V (50Hz)	24
Current (A)		3.75
Power (W)		90

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	88.000%	0.21
EU CoC Tier 2 (230VAC Only)	89.000%	0.15

Efficiency		
Loading Condition (% of rated full load)	115VAC	230VAC
100%	90.094%	91.317%
75%	90.316%	91.268%
50%	89.580%	90.253%
25%	85.656%	85.925%
4-Pt Average	88.912%	89.691%

No Load Power		
	115VAC	230VAC
Measured Power (W)	0.117	0.137



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

Test Location	Northvale, NJ, USA	
Model No.	GTM96900P-9030-(T2, T2A, T3, T3A)	
P/N:		
Engineer:	Tim Laux	
Date Tested:	26-Jul-17	
Nameplate Specifications:		
Product Specifications	Input	Output
Voltage (V)	100V (60Hz) to 240V (50Hz)	30
Current (A)		3
Power (W)		90

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	88.000%	0.21
EU CoC Tier 2 (230VAC Only)	89.000%	0.15

Efficiency		
Loading Condition (% of rated full load)	115VAC	230VAC
100%	91.194%	92.092%
75%	91.001%	91.655%
50%	89.548%	89.797%
25%	84.022%	83.736%
4-Pt Average	88.941%	89.320%

No Load Power		
	115VAC	230VAC
Measured Power (W)	0.122	0.141



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

Test Location	Northvale, NJ, USA	
Model No.	GTM96900P-9036-(T2, T2A, T3, T3A)	
P/N:		
Engineer:	Lorenzo R. Madariaga II	
Date Tested:	26-Apr-18	
Nameplate Specifications:		
Product Specifications	Input	Output
Voltage (V)	100V (60Hz) to 240V (50Hz)	36
Current (A)		2.5
Power (W)		90

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	88.000%	0.21
EU CoC Tier 2 (230VAC Only)	89.000%	0.15

Efficiency		
Loading Condition (% of rated full load)	115VAC	230VAC
100%	92.207%	93.490%
75%	92.244%	93.195%
50%	91.497%	92.052%
25%	88.519%	88.324%
4-Pt Average	91.117%	91.765%

No Load Power		
	115VAC	230VAC
Measured Power (W)	0.111	0.135



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

Test Location	Northvale, NJ, USA	
Model No.	GTM96900P-9048-(T2, T2A, T3, T3A)	
P/N:		
Engineer:	Manny Dispo	
Date Tested:	3-Apr-19	
Nameplate Specifications:		
Product Specifications	Input	Output
Voltage (V)	100V (60Hz) to 240V (50Hz)	48
Current (A)		1.875
Power (W)		90

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	DoE Energy Level VI	EU CoC Tier 2 (230VAC Only)
4-Pt Average Efficiency	88.000%	89.000%
No Load Power (W)	0.21	0.15

Efficiency		
Loading Condition (% of rated full load)	115VAC	230VAC
100%	92.020%	93.218%
75%	91.802%	92.666%
50%	90.661%	91.151%
25%	86.602%	86.251%
4-Pt Average	90.271%	90.822%

No Load Power		
	115VAC	230VAC
Measured Power (W)	0.117	0.138



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

Test Location	Northvale, NJ, USA	
Model No.	GTM96900P-9054-(T2, T2A, T3, T3A)	
P/N:		
Engineer:	Manny Dispo	
Date Tested:	3-Apr-19	
Nameplate Specifications:		
Product Specifications	Input	Output
Voltage (V)	100V (60Hz) to 240V (50Hz)	54
Current (A)		1.667
Power (W)		90.018

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	DoE Energy Level VI	EU CoC Tier 2 (230VAC Only)
4-Pt Average Efficiency	88.000%	89.000%
No Load Power (W)	0.21	0.15

Efficiency		
Loading Condition (% of rated full load)	115VAC	230VAC
100%	92.633%	93.719%
75%	92.411%	93.159%
50%	91.379%	91.750%
25%	87.471%	87.164%
4-Pt Average	90.974%	91.448%

No Load Power		
	115VAC	230VAC
Measured Power (W)	0.111	0.132