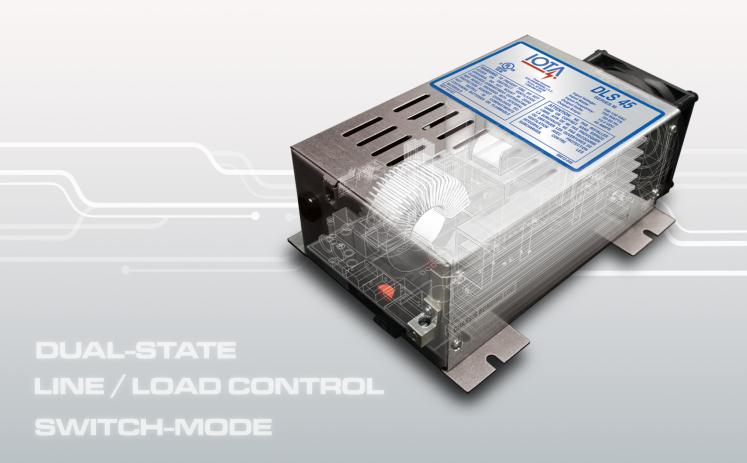


DLS SERIES POWER CONVERTERS & BATTERY CHARGERS



DEPENDABLE AC/DC POWER MANAGEMENT FOR

120VAC / 240VAC INPUT 12VDC/24VDC/48VDC
OUTPUT



• DUAL STATE CHARGING

IOTA's Dual-State Charging design allows the unit to function as both a constant voltage or a constant current charger and automatically selects the optimal charging method for your battery's needs, resulting in safer, faster, and more efficient charging.

• LINE / LOAD CONTROL

The tight line/load control of the DLS allows for clean conversion of AC voltage into steady and reliable DC power for your battery or load. By preventing erratic DC output, the DLS Series allows confident operation of onboard and sensitive equipment for optimal life and avoiding unexpected overloads.

• SWITCH-MODE TECHNOLOGY

IOTA charger/converters use stateof-the-art switch-mode technology, which minimizes wasted power by significantly reducing high dissipation states. The switch-mode design allows for reliable, efficient performance in a compact chassis with lower operating temperature.





		INPUT VOLTAGE		
		120VAC (108-132VAC)	240VAC (216-264VAC)	
OLTAGE	12VDC	DLS 15A (15 Amp) DLS 30A (30 Amp) DLS 45A (45 Amp) DLS 55A (55 Amp) DLS 75A (75 Amp) DLS 90A (90 Amp)	DLS 240 55A (55 Amp)	
IV TUATUO	24VDC	DLS 27V 15A (15 Amp) DLS 27V 25A (25 Amp) DLS 27V 40A (40 Amp)	DLS 240 27V 25A (25 Amp)	
	48VDC	DLS 54V 13A		

AND INCLUDING POWERFUL DESIGN FEATURES...



Built-in protection features against low transient AC line voltage, and current limit and thermal overload protection.



Lower operating temperature for longer component life and safer operation in limited compartment spaces.



Proportional Fan Control provides 'whisper-quiet' operation, utilizing the fan only when needed and at minimal speeds, eliminating sudden and obtrusive start-up noise.



External Reverse Polarity automotive blade-type protect the unit in the event of incorrect battery hook-up.



Dual Voltage jack allows for manual selection between Normal and Absorption Phase charging as well as easy installation of the IQ4 Smart Charge Controller.



Can be used with the optional IQ Charge Controller for automatic multi-stage charging to prevent battery sulfation and stratification.



Backed by IOTA's Two-Year Warranty.



DLS MODELS



These IOTA DLS units provide power conversion and battery charging from 120VAC input to 12VDC loads. Refer to the Ratings and Specifications on page 7 for complete characteristics. UL Listing for use in US and Canada on most models.















These IOTA DLS units provide power conversion and battery charging from 120VAC input to 27VDC loads. Refer to the Ratings and Specifications on page 7 for complete characteristics. UL Listing for use in US and Canada on all models.







This IOTA DLS units provide power conversion and battery charging from 120VAC input to 54VDC for charging 48-volt battery loads. Refer to the Ratings and Specifications on page 7 for complete characteristics.



This IOTA DLS units provide power conversion and battery charging from 240VAC input to 12 or 24VDC depending on model. Refer to the Ratings and Specifications on page 7 for complete characteristics.



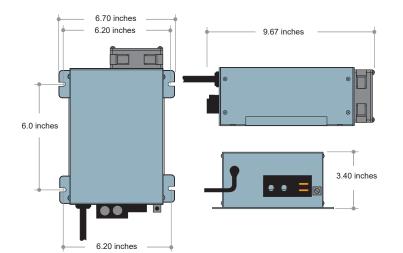


DLS 240 27V 25A*

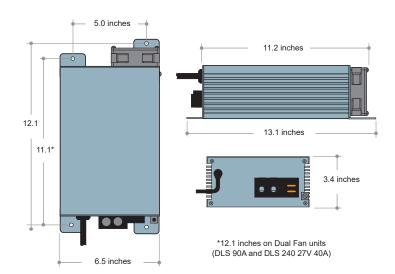
25 Amp



Dimensions and Weights (DLS)

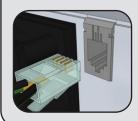


DLS 15A	4.5 lbs
DLS 30A	4.5 lbs
DLS 45A	5.0 lbs
DLS 55A	5.0 lbs
DLS 27V 15A	4.5 lbs
DLS 27V 25A	5.0 lbs
DLS 54V 13A	5.0 lbs
DLS 240 55A	5.0 lbs
DLS 240 27V 25A	5.0 lbs



DLS 75A	7.8 lbs
DLS 90A	7.8 lbs
DLS 27V 40A	7.8 lbs

DUAL VOLTAGE JACK AND PLUG



All DLS units feature a Dual Voltage Jack and include a Dual Voltage plug. Inserting the plug into the Dual Voltage Jack manuall increases the output voltage of the DLS to deliver a BULK charge to the batteries. BULK voltage will vary based on DLS model.





DLS Units are equipped with a NEMA-rated power cord (approx. 30-inch length.) Plug configuration will vary depending on the voltage and amperage rating of the unit. Use the reference below to verify the plug-type for your IOTA charger.



NEMA 5-15 for 15A Receptacle



NEMA 5-20 for 20A Receptacle



NEMA 6-15 for 240VAC 15A Receptacle

- DLS 15A
- DLS 10A
- DLS 45A
- DLS 55A
- DLS 55ADLS 27V 15A
- DLS 27V 25A
- DLS 54V 13A
- DLS 90A

- DLS 75A
- DLS 27V 40A
- DLS 240 55A
- DLS 240 27V 25A



4-GAUGE TERMINAL

DLS terminal block connections accept wire gauges up to **4AWG**. Wire gauge and distance can affect voltage drop. Refer to our online technical resources at **www.iotaengineering.com** to find recommended wire gauge and lengths for the DLS model in your application.



Four-Stage Charge Control for Optimal Battery Performance

IOTA IQ4 Charge Control Modules are the easiest, safest way to keep your batteries fully charged and in peak operating condition while maximizing useful life. By utilizing the IQ programming, IOTA chargers automatically deliver a four-stage charge cycle to your battery system. Whether you need frequently-cycled batteries charged quickly and efficiently or are maintaining stored batteries in top condition, IQ charge control provides the assurance that your batteries will perform when you need them to.

1 BULK

Batteries are charged up to the full-rated output of the battery charger, reducing the time needed to charge the battery.

2 ABSORPTION

The voltage drops and the batteries are then held for a controlled period at the absorption phase to insure a full and complete charge.

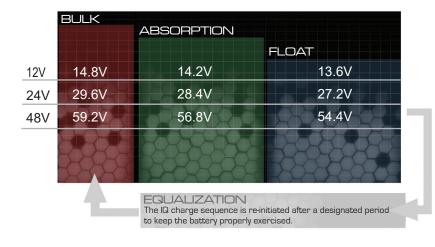
3 FLOAT

The battery charger delivers a 'trickle' charge, maintaining the battery's full charge and avoiding "gassing" caused by over-charging.

BULK

4 EQUALIZATION

If the battery remains in the 'Float' state for seven days, the IQ4 delivers a Smart Charge cycle to dissolve sulfate layers and to avoid stratification.



LED CODE TAE	BLE				
CELL INDICATION	NC				
6 Flashes (GRE	EN)	12-Volt Battery (6 cells)			
12 Flashes (GRI	12 Flashes (GREEN)		24-Volt Battery (12 cells)		
24 Flashes (GRI	EEN)	48-Volt Battery (24 cells)			
CHARGE PHASE	LED STAT	US	VOLTAGE RATE		
FLOAT	ON (G	REEN)	2.266 per Cell		
ABSORPTION	FLASI	HING (AMBER)	2.366 per Cell		

FLASHING (RED)

IQ4 Charge Controllers feature a three-color LED (Green,

Amber, Red) to help indicate charge voltage and charging

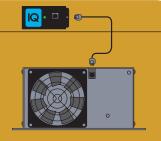
phase of the DLS charge controller.

THE 104

For use with IOTA DLS Series Chargers



IOTA **IQ4** Charge Controllers provide automatic 4-stage charging for DLS Series Chargers. The IQ4 easily installs as a peripheral device by plugging the 10-inch IQ4 connection cord into the Dual Voltage Jack of the DLS. Select DLS chargers can also be ordered with the IQ4 charge control circuitry installed within the unit.





ina

Great for Stored Flooded Lead-Acid Batteries

Our traditional IQ4 Smart Charge Controller delivers 4 basic charging functions: BULK, ABSORPTION, FLOAT, and a seven-day MAINTENANCE cycle. The IQ4 is an excellent way to maintain your stored flooded lead acid batteries, such as in an RV that is parked for extended periods of time.



IQ4 TURBO

Rapid Charging for Continually-Cycled Batteries

The IQ Turbo delivers a powerful yet controlled BULK charge to help charge batteries in minimal time. Perfect for batteries that are used frequently but have limited time for re-charging from a generator, solar panel system, or other auxiliary supply.



IQ4 EQUALIZER

On-Demand Bulk Charging

Initiates a constant current BULK charge to flooded lead acid battery to ensure all cells receive an adequate, complete charge in an brief timespan. After a predetermined period, the IQ-Equalizer drops to a trickle charge until re-inserted.



IQ4 LIFEPO

for Lithium-Iron Batteries with BMS

For use with stateof-the-art LiFePO4 batteries with a Battery Management System. Allows the DLS to deliver proper voltage to charge the larger 4-cell design of the battery and remains in a standby trickle mode until a BULK charge is needed.



2.466 per Cell

IQ4 AGM

Tailored Absorption for AGM batteries

The IQ AGM provides preferred charging for AGM (Absorbed Glass Matt) batteries by skipping the Bulk cycle and holding the battery at an optimized ABSORPTION stage before reverting to the FLOAT stage.

DLS SPECIFICATION REFERENCE

RATINGS AND SPECIFICATIONS

DLS 15A

DLS 30A

DLS 45A

DLS 55A

DLS 75A

DLS 90A

DC Output Voltage (No Load) approx.	13.6V (DC)	13.6V (DC)	13.6V (DC)	13.6V (DC)	13.6V (DC)	13.6V (DC)
Output Voltage Tolerance (No Load)	+ or7%	+ or7%	+ or7%	+ or7%	+ or7%	+ or7%
Output Amperage, Max Continuous	15 Amps	30 Amps	45 Amps	55 Amps	75 Amps	90 Amps
Output Voltage (Full Load) approx.	>13.4V (DC)	>13.4V (DC)	>13.4V (DC)	>13.4V (DC)	>13.4V (DC)	>13.4V (DC)
Max. Power Output, Continuous	200W	400W	600W	750W	1000W	1200W
Ripple and Noise	<50 mV rms	<50 mV rms	<50 mV rms	<50 mV rms	<100 mV rms	<150 / <50 mV rms
Input Voltage Range	108 - 132 VAC	108 - 132 VAC	108 - 132 VAC	108 - 132 VAC	108 - 132 VAC	108 - 132 VAC
Input Voltage Frequency	47-63	47-63	47-63	47-63	47-63	47-63
Maximum AC Current (@108Vac)	3.7 Amps	7.3 Amps	11 Amps	13.4 Amps	18.2 Amps	21.8 Amps
Typical Efficiency	>80%	>80%	>80%	>80%	>80%	>80%
Max Inrush Current, Single Cycle	30 Amps	30 Amps	30 Amps	30 Amps	40 Amps	40 Amps
Short Circuit Protection	Yes	Yes	Yes	Yes	Yes	Yes
Overload Protection	>100%	>100%	>100%	>100%	>100%	>100%
Line Regulation	100 mV rms	100 mV rms	100 mV rms	100 mV rms	100 mV rms	100 mV rms
Load Regulation	<1%	<1%	<1.5%	<1.5%	<1.5%	<1.5%
Fan Control	PROPORTIONAL	PROPORTIONAL	PROPORTIONAL	PROPORTIONAL	PROPORTIONAL	PROPORTIONAL
Thermal Protection	YES	YES	YES	YES	YES	YES
Working Temperature Range	0° - 40° C	0° - 40° C	0° - 40° C	0° - 40° C	0° - 40° C	0° - 40° C
Storage Temperature	-20° to 80° C	-20° to 80° C	-20° to 80° C	-20° to 80° C	-20° to 80° C	-20° to 80° C
Withstand Voltage (VDC) [†]	1700/1700/500	1700/1700/500	1700/1700/500	1700/1700/500	1700/1700/500	1700/1700/500
Weight	4.5 lbs	4.5 lbs	5.0 lbs	5.0 lbs	7.8 lbs	7.8 lbs
	ni e	, DI 6	ni e	DI G	DI 6 240	DI S 240
RATINGS AND SPECIFICATIONS	DLS 27V 15A	DLS 27V 25A	DLS 27V 40A	DLS 54V 13A	DLS 240 55A	DLS 240 27V 25A
RATINGS AND SPECIFICATIONS DC Output Voltage (No Load) approx.						
	27V 15A	27V 25A	27V 40A	54V 13A	55A	27V 25A
DC Output Voltage (No Load) approx.	27V 15A 27.2V (DC)	27V 25A 27.2V (DC)	27V 40A 27.2V (DC)	54V 13A 54.4V (DC)	55A 13.6V (DC)	27V 25A 27.2V (DC)
DC Output Voltage (No Load) approx. Output Voltage Tolerance (No Load)	27V 15A 27.2V (DC) + or5%	27V 25A 27.2V (DC) + or5%	27V 40A 27.2V (DC) + or5%	54V 13A 54.4V (DC) + or5%	55A 13.6V (DC) + or7%	27V 25A 27.2V (DC) + or7%
DC Output Voltage (No Load) approx. Output Voltage Tolerance (No Load) Output Amperage, Max Continuous	27V 15A 27.2V (DC) + or5% 15 Amps	27V 25A 27.2V (DC) + or5% 25 Amps	27V 40A 27.2V (DC) + or5% 40 Amps	54.4V (DC) + or5% 13 Amps	55A 13.6V (DC) + or7% 55 Amps	27V 25A 27.2V (DC) + or7% 25 Amps
DC Output Voltage (No Load) approx. Output Voltage Tolerance (No Load) Output Amperage, Max Continuous Output Voltage (Full Load) approx.	27V 15A 27.2V (DC) + or5% 15 Amps >27.0V (DC)	27V 25A 27.2V (DC) + or5% 25 Amps >27.0V (DC)	27V 40A 27.2V (DC) + or5% 40 Amps >27.0V (DC)	54V 13A 54.4V (DC) + or5% 13 Amps >54V (DC)	55A 13.6V (DC) + or7% 55 Amps >13.4V (DC)	27V 25A 27.2V (DC) + or7% 25 Amps >27.0V (DC)
DC Output Voltage (No Load) approx. Output Voltage Tolerance (No Load) Output Amperage, Max Continuous Output Voltage (Full Load) approx. Max. Power Output, Continuous	27V 15A 27.2V (DC) + or5% 15 Amps >27.0V (DC) 400W	27V 25A 27.2V (DC) + or5% 25 Amps >27.0V (DC) 675W	27V 40A 27.2V (DC) + or5% 40 Amps >27.0V (DC) 1100W	54V 13A 54.4V (DC) + or5% 13 Amps >54V (DC) 700 Watts	55A 13.6V (DC) + or7% 55 Amps >13.4V (DC) 750 Watts	27V 25A 27.2V (DC) + or7% 25 Amps >27.0V (DC) 675 Watts
DC Output Voltage (No Load) approx. Output Voltage Tolerance (No Load) Output Amperage, Max Continuous Output Voltage (Full Load) approx. Max. Power Output, Continuous Ripple and Noise	27V 15A 27.2V (DC) + or5% 15 Amps >27.0V (DC) 400W <100 mV rms	27V 25A 27.2V (DC) + or5% 25 Amps >27.0V (DC) 675W <100 mV rms	27V 40A 27.2V (DC) + or5% 40 Amps >27.0V (DC) 1100W <100 mV rms	54V 13A 54.4V (DC) + or5% 13 Amps >54V (DC) 700 Watts <100 mV rms	55A 13.6V (DC) + or7% 55 Amps >13.4V (DC) 750 Watts <50 mV rms	27V 25A 27.2V (DC) + or7% 25 Amps >27.0V (DC) 675 Watts <100 mV rms
DC Output Voltage (No Load) approx. Output Voltage Tolerance (No Load) Output Amperage, Max Continuous Output Voltage (Full Load) approx. Max. Power Output, Continuous Ripple and Noise Input Voltage Range	27V 15A 27.2V (DC) + or5% 15 Amps >27.0V (DC) 400W <100 mV rms 108 - 132 VAC	27V 25A 27.2V (DC) + or5% 25 Amps >27.0V (DC) 675W <100 mV rms 108 - 132 VAC	27V 40A 27.2V (DC) + or5% 40 Amps >27.0V (DC) 1100W <100 mV rms 108 - 132 VAC	54V 13A 54.4V (DC) + or5% 13 Amps >54V (DC) 700 Watts <100 mV rms 108 - 132 AC	55A 13.6V (DC) + or7% 55 Amps >13.4V (DC) 750 Watts <50 mV rms 216 - 264 AC	27V 25A 27.2V (DC) + or7% 25 Amps >27.0V (DC) 675 Watts <100 mV rms 216-264 VAC
DC Output Voltage (No Load) approx. Output Voltage Tolerance (No Load) Output Amperage, Max Continuous Output Voltage (Full Load) approx. Max. Power Output, Continuous Ripple and Noise Input Voltage Range Input Voltage Frequency	27V 15A 27.2V (DC) + or5% 15 Amps >27.0V (DC) 400W <100 mV rms 108 - 132 VAC 47-63	27V 25A 27.2V (DC) + or5% 25 Amps >27.0V (DC) 675W <100 mV rms 108 - 132 VAC 47-63	27V 40A 27.2V (DC) + or5% 40 Amps >27.0V (DC) 1100W <100 mV rms 108 - 132 VAC 47-63	54V 13A 54.4V (DC) + or5% 13 Amps >54V (DC) 700 Watts <100 mV rms 108 - 132 AC 47-63	55A 13.6V (DC) + or7% 55 Amps >13.4V (DC) 750 Watts <50 mV rms 216 - 264 AC 47-63	27V 25A 27.2V (DC) + or7% 25 Amps >27.0V (DC) 675 Watts <100 mV rms 216-264 VAC 47-63
DC Output Voltage (No Load) approx. Output Voltage Tolerance (No Load) Output Amperage, Max Continuous Output Voltage (Full Load) approx. Max. Power Output, Continuous Ripple and Noise Input Voltage Range Input Voltage Frequency Maximum AC Current (@108Vac)	27V 15A 27.2V (DC) + or5% 15 Amps >27.0V (DC) 400W <100 mV rms 108 - 132 VAC 47-63 7.3 Amps	27V 25A 27.2V (DC) + or5% 25 Amps >27.0V (DC) 675W <100 mV rms 108 - 132 VAC 47-63 12.2 Amps	27V 40A 27.2V (DC) + or5% 40 Amps >27.0V (DC) 1100W <100 mV rms 108 - 132 VAC 47-63 19.5 Amps	54V 13A 54.4V (DC) + or5% 13 Amps >54V (DC) 700 Watts <100 mV rms 108 - 132 AC 47-63 12.6 Amps	55A 13.6V (DC) + or7% 55 Amps >13.4V (DC) 750 Watts <50 mV rms 216 - 264 AC 47-63 6.7 Amps	27V 25A 27.2V (DC) + or7% 25 Amps >27.0V (DC) 675 Watts <100 mV rms 216-264 VAC 47-63 6.0 Amps
DC Output Voltage (No Load) approx. Output Voltage Tolerance (No Load) Output Amperage, Max Continuous Output Voltage (Full Load) approx. Max. Power Output, Continuous Ripple and Noise Input Voltage Range Input Voltage Frequency Maximum AC Current (@108Vac) Typical Efficiency	27V 15A 27.2V (DC) + or5% 15 Amps >27.0V (DC) 400W <100 mV rms 108 - 132 VAC 47-63 7.3 Amps >80%	27V 25A 27.2V (DC) + or5% 25 Amps >27.0V (DC) 675W <100 mV rms 108 - 132 VAC 47-63 12.2 Amps >80%	27V 40A 27.2V (DC) + or5% 40 Amps >27.0V (DC) 1100W <100 mV rms 108 - 132 VAC 47-63 19.5 Amps >80%	54V 13A 54.4V (DC) + or5% 13 Amps >54V (DC) 700 Watts <100 mV rms 108 - 132 AC 47-63 12.6 Amps >80%	55A 13.6V (DC) + or7% 55 Amps >13.4V (DC) 750 Watts <50 mV rms 216 - 264 AC 47-63 6.7 Amps >80%	27V 25A 27.2V (DC) + or7% 25 Amps >27.0V (DC) 675 Watts <100 mV rms 216-264 VAC 47-63 6.0 Amps >80%
DC Output Voltage (No Load) approx. Output Voltage Tolerance (No Load) Output Amperage, Max Continuous Output Voltage (Full Load) approx. Max. Power Output, Continuous Ripple and Noise Input Voltage Range Input Voltage Frequency Maximum AC Current (@108Vac) Typical Efficiency Max Inrush Current, Single Cycle	27V 15A 27.2V (DC) + or5% 15 Amps >27.0V (DC) 400W <100 mV rms 108 - 132 VAC 47-63 7.3 Amps >80% 30 Amps	27V 25A 27.2V (DC) + or5% 25 Amps >27.0V (DC) 675W <100 mV rms 108 - 132 VAC 47-63 12.2 Amps >80% 30 Amps	27V 40A 27.2V (DC) + or5% 40 Amps >27.0V (DC) 1100W <100 mV rms 108 - 132 VAC 47-63 19.5 Amps >80% 40 Amps	54V 13A 54.4V (DC) + or5% 13 Amps >54V (DC) 700 Watts <100 mV rms 108 - 132 AC 47-63 12.6 Amps >80% 30 Amps	55A 13.6V (DC) + or7% 55 Amps >13.4V (DC) 750 Watts <50 mV rms 216 - 264 AC 47-63 6.7 Amps >80% 30 Amps	27V 25A 27.2V (DC) + or7% 25 Amps >27.0V (DC) 675 Watts <100 mV rms 216-264 VAC 47-63 6.0 Amps >80% 30 Amps
DC Output Voltage (No Load) approx. Output Voltage Tolerance (No Load) Output Amperage, Max Continuous Output Voltage (Full Load) approx. Max. Power Output, Continuous Ripple and Noise Input Voltage Range Input Voltage Frequency Maximum AC Current (@108Vac) Typical Efficiency Max Inrush Current, Single Cycle Short Circuit Protection	27V 15A 27.2V (DC) + or5% 15 Amps >27.0V (DC) 400W <100 mV rms 108 - 132 VAC 47-63 7.3 Amps >80% 30 Amps Yes	27V 25A 27.2V (DC) + or5% 25 Amps >27.0V (DC) 675W <100 mV rms 108 - 132 VAC 47-63 12.2 Amps >80% 30 Amps Yes	27V 40A 27.2V (DC) + or5% 40 Amps >27.0V (DC) 1100W <100 mV rms 108 - 132 VAC 47-63 19.5 Amps >80% 40 Amps Yes	54V 13A 54.4V (DC) + or5% 13 Amps >54V (DC) 700 Watts <100 mV rms 108 - 132 AC 47-63 12.6 Amps >80% 30 Amps Yes	55A 13.6V (DC) + or7% 55 Amps >13.4V (DC) 750 Watts <50 mV rms 216 - 264 AC 47-63 6.7 Amps >80% 30 Amps Yes	27V 25A 27.2V (DC) + or7% 25 Amps >27.0V (DC) 675 Watts <100 mV rms 216-264 VAC 47-63 6.0 Amps >80% 30 Amps Yes
DC Output Voltage (No Load) approx. Output Voltage Tolerance (No Load) Output Amperage, Max Continuous Output Voltage (Full Load) approx. Max. Power Output, Continuous Ripple and Noise Input Voltage Range Input Voltage Frequency Maximum AC Current (@108Vac) Typical Efficiency Max Inrush Current, Single Cycle Short Circuit Protection Overload Protection	27V 15A 27.2V (DC) + or5% 15 Amps >27.0V (DC) 400W <100 mV rms 108 - 132 VAC 47-63 7.3 Amps >80% 30 Amps Yes >100%	27V 25A 27.2V (DC) + or5% 25 Amps >27.0V (DC) 675W <100 mV rms 108 - 132 VAC 47-63 12.2 Amps >80% 30 Amps Yes >100%	27V 40A 27.2V (DC) + or5% 40 Amps >27.0V (DC) 1100W <100 mV rms 108 - 132 VAC 47-63 19.5 Amps >80% 40 Amps Yes >100%	54V 13A 54.4V (DC) + or5% 13 Amps >54V (DC) 700 Watts <100 mV rms 108 - 132 AC 47-63 12.6 Amps >80% 30 Amps Yes >100%	55A 13.6V (DC) + or7% 55 Amps >13.4V (DC) 750 Watts <50 mV rms 216 - 264 AC 47-63 6.7 Amps >80% 30 Amps Yes >100%	27V 25A 27.2V (DC) + or7% 25 Amps >27.0V (DC) 675 Watts <100 mV rms 216-264 VAC 47-63 6.0 Amps >80% 30 Amps Yes >100%
DC Output Voltage (No Load) approx. Output Voltage Tolerance (No Load) Output Amperage, Max Continuous Output Voltage (Full Load) approx. Max. Power Output, Continuous Ripple and Noise Input Voltage Range Input Voltage Frequency Maximum AC Current (@108Vac) Typical Efficiency Max Inrush Current, Single Cycle Short Circuit Protection Overload Protection Line Regulation	27V 15A 27.2V (DC) + or5% 15 Amps >27.0V (DC) 400W <100 mV rms 108 - 132 VAC 47-63 7.3 Amps >80% 30 Amps Yes >100% 100 mV rms	27V 25A 27.2V (DC) + or5% 25 Amps >27.0V (DC) 675W <100 mV rms 108 - 132 VAC 47-63 12.2 Amps >80% 30 Amps Yes >100% 100 mV rms	27V 40A 27.2V (DC) + or5% 40 Amps >27.0V (DC) 1100W <100 mV rms 108 - 132 VAC 47-63 19.5 Amps >80% 40 Amps Yes >100% 100 mV rms	54V 13A 54.4V (DC) + or5% 13 Amps >54V (DC) 700 Watts <100 mV rms 108 - 132 AC 47-63 12.6 Amps >80% 30 Amps Yes >100% 100 mV rms	55A 13.6V (DC) + or7% 55 Amps >13.4V (DC) 750 Watts <50 mV rms 216 - 264 AC 47-63 6.7 Amps >80% 30 Amps Yes >100% 100 mV rms	27V 25A 27.2V (DC) + or7% 25 Amps >27.0V (DC) 675 Watts <100 mV rms 216-264 VAC 47-63 6.0 Amps >80% 30 Amps Yes >100% 100 mV rms
DC Output Voltage (No Load) approx. Output Voltage Tolerance (No Load) Output Amperage, Max Continuous Output Voltage (Full Load) approx. Max. Power Output, Continuous Ripple and Noise Input Voltage Range Input Voltage Frequency Maximum AC Current (@108Vac) Typical Efficiency Max Inrush Current, Single Cycle Short Circuit Protection Overload Protection Line Regulation Load Regulation	27V 15A 27.2V (DC) + or5% 15 Amps >27.0V (DC) 400W <100 mV rms 108 - 132 VAC 47-63 7.3 Amps >80% 30 Amps Yes >100% 100 mV rms <1%	27V 25A 27.2V (DC) + or5% 25 Amps >27.0V (DC) 675W <100 mV rms 108 - 132 VAC 47-63 12.2 Amps >80% 30 Amps Yes >100% 100 mV rms <1%	27V 40A 27.2V (DC) + or5% 40 Amps >27.0V (DC) 1100W <100 mV rms 108 - 132 VAC 47-63 19.5 Amps >80% 40 Amps Yes >100% 100 mV rms	54V 13A 54.4V (DC) + or5% 13 Amps >54V (DC) 700 Watts <100 mV rms 108 - 132 AC 47-63 12.6 Amps >80% 30 Amps Yes >100% 100 mV rms <1%	55A 13.6V (DC) + or7% 55 Amps >13.4V (DC) 750 Watts <50 mV rms 216 - 264 AC 47-63 6.7 Amps >80% 30 Amps Yes >100% 100 mV rms <1%	27V 25A 27.2V (DC) + or7% 25 Amps >27.0V (DC) 675 Watts <100 mV rms 216-264 VAC 47-63 6.0 Amps >80% 30 Amps Yes >100% 100 mV rms <1%
DC Output Voltage (No Load) approx. Output Voltage Tolerance (No Load) Output Amperage, Max Continuous Output Voltage (Full Load) approx. Max. Power Output, Continuous Ripple and Noise Input Voltage Range Input Voltage Frequency Maximum AC Current (@108Vac) Typical Efficiency Max Inrush Current, Single Cycle Short Circuit Protection Overload Protection Line Regulation Load Regulation Fan Control	27V 15A 27.2V (DC) + or5% 15 Amps >27.0V (DC) 400W <100 mV rms 108 - 132 VAC 47-63 7.3 Amps >80% 30 Amps Yes >100% 100 mV rms <1% PROPORTIONAL	27V 25A 27.2V (DC) + or5% 25 Amps >27.0V (DC) 675W <100 mV rms 108 - 132 VAC 47-63 12.2 Amps >80% 30 Amps Yes >100% 100 mV rms <1% PROPORTIONAL	27V 40A 27.2V (DC) + or5% 40 Amps >27.0V (DC) 1100W <100 mV rms 108 - 132 VAC 47-63 19.5 Amps >80% 40 Amps Yes >100 mV rms <100 mV rms	54V 13A 54.4V (DC) + or5% 13 Amps >54V (DC) 700 Watts <100 mV rms 108 - 132 AC 47-63 12.6 Amps >80% 30 Amps Yes >100% 100 mV rms <1% PROPORTIONAL	13.6V (DC) + or7% 55 Amps >13.4V (DC) 750 Watts <50 mV rms 216 - 264 AC 47-63 6.7 Amps >80% 30 Amps Yes >100% 100 mV rms <1% PROPORTIONAL	27V 25A 27.2V (DC) + or7% 25 Amps >27.0V (DC) 675 Watts <100 mV rms 216-264 VAC 47-63 6.0 Amps >80% 30 Amps Yes >100% 100 mV rms <1% PROPORTIONAL
DC Output Voltage (No Load) approx. Output Voltage Tolerance (No Load) Output Amperage, Max Continuous Output Voltage (Full Load) approx. Max. Power Output, Continuous Ripple and Noise Input Voltage Range Input Voltage Frequency Maximum AC Current (@108Vac) Typical Efficiency Max Inrush Current, Single Cycle Short Circuit Protection Overload Protection Line Regulation Load Regulation Fan Control Thermal Protection	27V 15A 27.2V (DC) + or5% 15 Amps >27.0V (DC) 400W <100 mV rms 108 - 132 VAC 47-63 7.3 Amps >80% 30 Amps Yes >100% 100 mV rms <1% PROPORTIONAL YES	27V 25A 27.2V (DC) + or5% 25 Amps >27.0V (DC) 675W <100 mV rms 108 - 132 VAC 47-63 12.2 Amps >80% 30 Amps Yes >100% 100 mV rms <1% PROPORTIONAL YES	27V 40A 27.2V (DC) + or5% 40 Amps >27.0V (DC) 1100W <100 mV rms 108 - 132 VAC 47-63 19.5 Amps >80% 40 Amps Yes >100 mV rms <100 mV rms	54V 13A 54.4V (DC) + or5% 13 Amps >54V (DC) 700 Watts <100 mV rms 108 - 132 AC 47-63 12.6 Amps >80% 30 Amps Yes >100% 100 mV rms <1% PROPORTIONAL YES	13.6V (DC) + or7% 55 Amps >13.4V (DC) 750 Watts <50 mV rms 216 - 264 AC 47-63 6.7 Amps >80% 30 Amps Yes >100% 100 mV rms <1% PROPORTIONAL YES	27V 25A 27.2V (DC) + or7% 25 Amps >27.0V (DC) 675 Watts <100 mV rms 216-264 VAC 47-63 6.0 Amps >80% 30 Amps Yes >100% 100 mV rms <1% PROPORTIONAL YES
DC Output Voltage (No Load) approx. Output Voltage Tolerance (No Load) Output Amperage, Max Continuous Output Voltage (Full Load) approx. Max. Power Output, Continuous Ripple and Noise Input Voltage Range Input Voltage Frequency Maximum AC Current (@108Vac) Typical Efficiency Max Inrush Current, Single Cycle Short Circuit Protection Overload Protection Line Regulation Load Regulation Fan Control Thermal Protection Working Temperature Range	27V 15A 27.2V (DC) + or5% 15 Amps >27.0V (DC) 400W <100 mV rms 108 - 132 VAC 47-63 7.3 Amps >80% 30 Amps Yes >100% 100 mV rms <1% PROPORTIONAL YES 0° - 40° C	27V 25A 27.2V (DC) + or5% 25 Amps >27.0V (DC) 675W <100 mV rms 108 - 132 VAC 47-63 12.2 Amps >80% 30 Amps Yes >100 mV rms <1% PROPORTIONAL YES 0° - 40° C	27V 40A 27.2V (DC) + or5% 40 Amps >27.0V (DC) 1100W <100 mV rms 108 - 132 VAC 47-63 19.5 Amps >80% 40 Amps Yes >100 mV rms <1% PROPORTIONAL YES 0° - 40° C	54V 13A 54.4V (DC) + or5% 13 Amps >54V (DC) 700 Watts <100 mV rms 108 - 132 AC 47-63 12.6 Amps >80% 30 Amps Yes >100% 100 mV rms <1% PROPORTIONAL YES 0° - 40° C	13.6V (DC) + or7% 55 Amps >13.4V (DC) 750 Watts <50 mV rms 216 - 264 AC 47-63 6.7 Amps >80% 30 Amps Yes >100 mV rms <1% PROPORTIONAL YES 0° - 40° C	27V 25A 27.2V (DC) + or7% 25 Amps >27.0V (DC) 675 Watts <100 mV rms 216-264 VAC 47-63 6.0 Amps >80% 30 Amps Yes >100% 100 mV rms <1% PROPORTIONAL YES 0° - 40° C

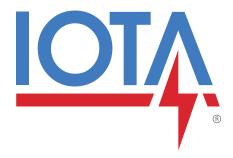
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