



The ABS601 Series of AC-DC power supplies provides up to 600 W of regulated output power through a wide input voltage range 85 – 305 VAC in a single output of 24 VDC or 48 VDC.

The ABS601 Series comes in a 4.92 x 9.86 x 2.36 inch form factor with a full set of protection features.

The ABS601 Series is available in an aluminium extruded chassis having fins for an optimal heat dispersion via natural convection. The input / output connections are fixed to the chassis through water tight glands, which combined with the sealed enclosure, give the power supply an IP66/67/68 ingress protection grade.

The -SL option offers a 5 V<sub>DC</sub> stand-by output and a set of control signals: +/- remote sense, remote On/Off (-PS\_Inhibit), power good (PS\_Ok), I-share (ISHARE1+V\_SLOGIC).

The ABS601 Series complies with the latest international safety standards and displays the CE-Mark for the European Low Voltage Directive (LVD).



- Sealed enclosure, IP66/67/68 Ingress Protection grade
- High efficiency up to 94% (50% to 100% load)
- Low stand-by power consumption (< 0.35 W)
- Universal input voltage range 85 305 VAC
- Input inrush current limiting <30 A
- 800 W peak power (up to 10 s)
- Single 24, 48 VDC voltages
- Active PFC, EN61000-3-2 compliant (Class C, >25% load)
- Low earth leakage current (typ. <400 µA, 264 VAC, 60 Hz)
- Over temperature, OV, OC and SC protections.
- Stand by +5 V, 1.5 A output.
- Remote On / Off signal
- IT approval to IEC/EN 60950-1and IEC/EN 62368-1
- LED lighting approval to UL 8750
- UV resistant input / output cables
- Overall dimensions 125.0 x 250.5 x 60.0 mm (4.92 x 9.86 x 2.36 in)
- RoHS 3 compliant (Directive 2015/863/EU)

#### **Applications**

- Video Wall Display and SSL Lighting
- Industrial Process Control and Automation
- Telecommunications / Broadcasting
- Harsh environment supply













# 1. MODEL SELECTION

MODEL NUMBER	PACKAGE & COOLING	INPUT VOLTAGE RANGE [VAC]	NOM. OUTPUT VOLTAGE [VDC]	MAX. OUTPUT POWER [W]	MAX. OUTPUT CURRENT [A]	DIMENSIONS
ABS601-1T24	Sealed Chassis Natural Convection	85 - 305	24	600	25	
ABS601-1T24-SL	Sealed Chassis Natural Convection + Control Signals	85 - 305	24	600	25	125.0 x 250.5 x 60.0 mm
ABS601-1T48	Sealed Chassis Natural Convection	85 - 305	48	600	12.5	4.92 x 9.86 x 2.36 in
ABS601-1T48-SL	Sealed Chassis Natural Convection + Control Signals	85 - 305	48	600	12.5	

# 2. INPUT SPECIFICATIONS

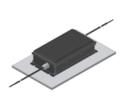
PARAMETER	DESCRIPTION / CONDITION		MIN	NOM	MAX	UNIT
AC Input Voltage	PS starts and operates at 85 $V_{\text{AC}}$ at	all load conditions	85	100-277	305	$V_{\text{RMS}}$
DC Input Voltage			170	-	300	$V_{DC}$
Input Frequency	440 Hz with reduced PFC and outp Consult factory for details.	ut power rating.	47	50/60	63	Hz
Input Current	RMS at 180 V <sub>AC</sub> , maximum load, 50 RMS at 85 V <sub>AC</sub> , maximum load, 50 /		-	-	4.0 8.5	Α
Inrush Current	Cold start, 25 °C ambient, full load	115 V <sub>AC</sub> 230 V <sub>AC</sub>	-	-	20 30	Α
Fusing	High breaking, 10 A, 250 V on each	AC lines.	-	-	10	Α
	At 115 V <sub>AC</sub>	20% rated load 50% rated load 100% rated load	89 93 92	- - -	-	
Efficiency		10070 Tated Todd	J.E			%
	At 230 / 277 V <sub>AC</sub>	20% rated load 50% rated load 100% rated load	90 94 94	- - -	- - -	
Input Power Consumption	Power on, 115 $V_{AC}$ , no load Power on, 230 $V_{AC}$ , no load Stand by, 115, 230 $V_{AC}$ , no load		-	- - -	5 4 0.35	W
Power Factor	From 50 to 100% of rated load, 230	), 115 $V_{AC}$ , 50 / 60 Hz input voltages.	0.90	-	-	-
THDi	From 50 to 100% rated load, 115, 2	30, 277 V <sub>AC</sub> 50 / 60 Hz.	-	-	20	%
Harmonic Current Fluctuations and Flicker	Complies with EN 61000-3-2 at 230 Complies with EN 61000-3-2 Class Complies with EN 61000-3-3 at nor	C at 230 V <sub>AC</sub> , 50/60 Hz, >150 W load.				
Earth Leakage Current	Normal conditions 115 $V_{\text{RMS}}$ , 60 Hz 230 $V_{\text{RMS}}$ , 50 Hz 264 $V_{\text{RMS}}$ , 60 Hz 277 $V_{\text{RMS}}$ , 60 Hz (worst case)		- - -	170 290 -	- - 460 490	μА



#### 3. OUTPUT SPECIFICATIONS

## 10.5% set point accuracy ## 10.5% set point accuracy   CSL option    CSL option    Convection cooling (Refer to the de-rating curves below)   Peak (less than 10 s, after P_OK high)   Peak (less than 10 s, after P_OK high)   V1: 24 V <sub>DC</sub>	PARAMETER	DESCRIPTION / CONDITION		MIN	NOM	MAX	UNIT
V1 Output Current *   V1: 24 V <sub>DC</sub>	V1 Output Voltages	RS+ closed on +V1, RS- closed on V1 RTN, at 20% loa	nd	-		-	V
V1 Voltage Adjustment Range         Manually by push up and down buttons         -         ±5         -         %V1           V1 Line Regulation         V <sub>AC</sub> : 85 – 305 V <sub>RMS</sub> -         ±0.1         %V1           V1 Load-Line-Cross Regulation         V <sub>AC</sub> : 85 – 305 V <sub>RMS</sub> ; I1: 0 – 100%         -         -         ±2         %V1           V1 Ripple and Noise         Rated load, Peak-to-peak, 20 MHz BW. (100 nF ceramic, 10 μF tantalum at load)         -         -         1         %V1           V1 Ripple and Noise         Rated load, Peak-to-peak, 20 MHz BW. (100 nF ceramic, 10 μF tantalum at load)         -         -         1         %V1           V1 Ripple and Noise         25% load changes at 1 A/μs         24 V at 1000 μF load / lour > 2.5 A         -         -         ±5         %V1           V1 Start Sys         24 V at 1000 μF load / lour > 2.5 A         -         -         ±5         %V1           V1 Start-up Rise Time         85 < V <sub>IN</sub> < 305, any load conditions.	V1 Output Power Rating *		v)				W
V1 Line Regulation V <sub>AC</sub> : 85 – 305 V <sub>RMS</sub> ; I1: 0 – 100% - ±0.1 %V1 V1 Load-Line-Cross Regulation V <sub>AC</sub> : 85 – 305 V <sub>RMS</sub> ; I1: 0 – 100% - ±2 %V1 V1 Ripple and Noise Rated load, Peak-to-peak, 20 MHz BW. (100 nF ceramic, 10 μF tantalum at load) - 1 1  %V1 Transient Response: 25% load changes at 1 A/μs V1, 5V <sub>SB</sub> 24 V at 1000 μF load / louτ > 2.5 A Voltage Deviation 48 V at 560 μF load / louτ > 0.1 A V1 Start-up Rise Time 85 <v<sub>IN&lt;305, any load conditions. 10 - 100 ms V1 Hold-up Time At nominal V<sub>IN</sub>, full load VS-Logic and I-Share signals connected together. 45.5 - 54.5 %I1 RS', RS' signals connected together and to the load V1 in regulation after de-asserting PS_Inhibit - 2 2050 ms V1 in regulation after AC is applied (worst case: 85 V<sub>AC</sub>) - 1500 Turn-on Overshoot V1, 5V<sub>SB</sub> 10 0 - A Maximum Load Capacitance ±3% set point accuracy, 20% load 5 V<sub>SB</sub> 0utput Voltage ±3% set point accuracy, 20% load 5 V<sub>SB</sub> 0utput Current - 1.5 A</v<sub>	V1 Output Current *						Α
V1 Load-Line-Cross Regulation V <sub>AC</sub> : 85 – 305 V <sub>PMS</sub> ; I1: 0 – 100% - ±2 %V1 V1 Ripple and Noise Rated load, Peak-to-peak, 20 MHz BW. (100 nF ceramic, 10 μF tantalum at load) - 1	V1 Voltage Adjustment Range	Manually by push up and down buttons		-	±5	-	%V1
V1 Ripple and Noise   Rated load, Peak-to-peak, 20 MHz BW. (100 nF ceramic, 10 μF tantalum at load)   -   -   1   %V1	V1 Line Regulation	V <sub>AC</sub> : 85 – 305 V <sub>RMS</sub>		-	-	±0.1	%V1
100 nF ceramic, 10 μF tantalum at load    Transient Response:   25% load changes at 1 A/μs     V1, 5V <sub>SB</sub>   24 V at 1000 μF load / l <sub>OuT</sub> > 2.5 A     Voltage Deviation   48 V at 560 μF load / l <sub>OuT</sub> > 1.25 A     5 V <sub>SB</sub> at 560 μF load / l <sub>OuT</sub> > 0.1 A     V1 Start-up Rise Time   85 <v<sub>IN&lt;305, any load conditions.   10</v<sub>	V1 Load-Line-Cross Regulation	V <sub>AC</sub> : 85 – 305 V <sub>RMS</sub> ; I1: 0 – 100%		-	-	±2	%V1
$\begin{array}{c} V1,5V_{SB}\\ Voltage\ Deviation \end{array} \hspace{0.2cm} \begin{array}{c} 24V\ at\ 1000\ \mu F\ load\ /\ l_{OUT}>2.5\ A\\ 48V\ at\ 560\ \mu F\ load\ /\ l_{OUT}>2.5\ A\\ 5V_{SB}\ at\ 560\ \mu F\ load\ /\ l_{OUT}>0.1\ A \end{array} \hspace{0.2cm} \begin{array}{c} \\ V1\ Start\ up\ Rise\ Time \end{array} \hspace{0.2cm} \begin{array}{c} 24V\ at\ 1000\ \mu F\ load\ /\ l_{OUT}>2.5\ A\\ 5V_{SB}\ at\ 560\ \mu F\ load\ /\ l_{OUT}>0.1\ A \end{array} \hspace{0.2cm} \begin{array}{c} \\ V1\ Start\ up\ Rise\ Time \end{array} \hspace{0.2cm} \begin{array}{c} \\ 85$	V1 Ripple and Noise			-	-	1	%V1
V1 Hold-up Time At nominal $V_{IN}$ , full load 16 ms  Two units in parallel at I1 rated load.  V3-Logic and I-Share signals connected together. RS+, RS+ signals connected together and to the load  V1 in regulation after de-asserting PS_Inhibit - 2050 ms  Start-up Delay V1 in regulation after AC is applied (worst case: 85 $V_{AC}$ ) - 1500  Turn-on Overshoot - 100 %V1  Maximum Load V1, $5V_{SB}$ 0 - A  Maximum Load Capacitance V1, $5V_{SB}$ set point accuracy, 20% load 5 - V $5V_{SB}$ Output Voltage $\pm 3\%$ set point accuracy, 20% load 1.5 A	V1, 5V <sub>SB</sub>	24 V at 1000 μF load / l <sub>OUT</sub> > 2.5 A 48 V at 560 μF load / l <sub>OUT</sub> > 1.25 A		-	-	±5	
$V1 \ \text{Current Sharing Accuracy} \qquad \begin{array}{c} \text{Two units in parallel at } 11 \ \text{rated load.} \\ \text{VS-Logic and I-Share signals connected together.} \\ \text{RS}^*, \text{RS}^* \text{ signals connected together and to the load} \\ \text{V1 in regulation after de-asserting PS_Inhibit} & - & - & 450 \\ \text{V1 in regulation after AC is applied (worst case: 85 $V_{AC}$)} & - & - & 2050 \\ \text{SV}_{SB} \text{ in regulation after AC is applied (worst case: 85 $V_{AC}$)} & - & - & 1500 \\ \text{Turn-on Overshoot} & - & - & 10 & \% V1 \\ \text{Minimum Load} & V1, 5V_{SB} & 0 & - & - & A \\ \text{Maximum Load Capacitance} & V1: 24 V_{DC} & - & - & 16000 \\ \text{V1: } 48 V_{DC} & - & - & 16000 \\ \text{V1: } 48 V_{DC} & - & - & 8000 \\ \text{SV}_{SB} \ \text{Output Voltage} & \pm 3\% \ \text{set point accuracy, } 20\% \ \text{load.} & - & 5 & - & V \\ \text{5} V_{SB} \ \text{Output Current} & - & - & 1.5 & A \\ \end{array}$	V1 Start-up Rise Time	85 <v<sub>IN&lt;305, any load conditions.</v<sub>		10	-	100	ms
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	V1 Hold-up Time	At nominal V <sub>IN</sub> , full load		16	-	-	ms
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	V1 Current Sharing Accuracy	VS-Logic and I-Share signals connected together.		45.5	-	54.5	%I1
Turn-on Overshoot         Minimum Load       V1, 5V <sub>SB</sub> 0       -       -       A         Maximum Load Capacitance       V1: 24 V <sub>DC</sub> V1: 48 V <sub>DC</sub> V	Start-up Delay	V1 in regulation after AC is applied (worst case: 85 V <sub>AC</sub> )		- - -		2050	ms
Minimum Load V1, $5V_{SB}$ 0 A A Maximum Load Capacitance V1: $24V_{DC}$ $16000$ $\mu$ F $5V_{SB}$ Output Voltage $\pm 3\%$ set point accuracy, $20\%$ load 5 - $1.5$ A	Turn-on Overshoot			-	-		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Minimum Load	V1, 5V <sub>SB</sub>		0	-		
5 V <sub>SB</sub> Output Current - 1.5 A	Maximum Load Capacitance			-			μF
	5 V <sub>SB</sub> Output Voltage	±3% set point accuracy, 20% load.		-	5	-	V
5 V <sub>SB</sub> Load, line cross Regulation $V_{AC}$ : 85 – 305 V <sub>BMS</sub> ; I <sub>SB</sub> : 0 – 100% - ±5 %V <sub>SB</sub>	5 V <sub>SB</sub> Output Current			-	-	1.5	Α
11107 00	$5V_{SB}$ Load, line cross Regulation	$V_{AC}$ : 85 – 305 $V_{RMS}$ ; $I_{SB}$ : 0 – 100%		-	-	±5	$%V_{SB}$

<sup>\*</sup> Rated currents and combined power are referred to 55 °C ambient and  $V_{AC} \ge 180 V_{RMS}$ .





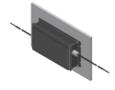


Figure 1. Mounting Orientation



#### 3.1 OUTPUT POWER DE-RATING CURVES

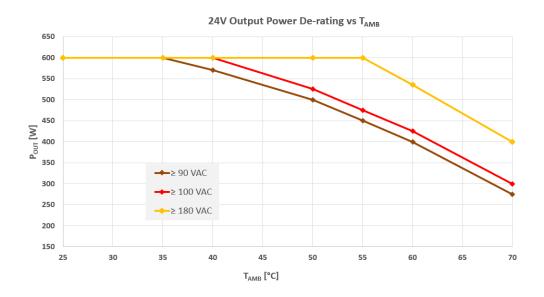




Figure 2. Power Derating Curves of ABS601 Series V1  $P_{OUT}$  to  $T_{AMB}$ 

Note: The de-rating curves are effective regardless mounting orientation



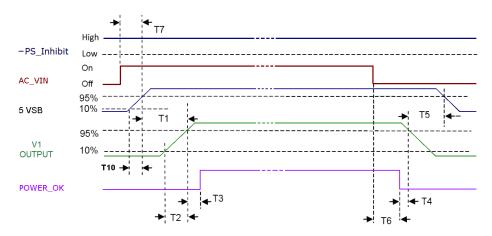
# 4. SIGNALS, CONTROLS & TIMING SPECIFICATIONS

Base signals and controls are accessible from signal connector P204.

SIGNAL	DESCRIPTION / CONDITION	MIN	NOM	MAX	UNIT
-PS_Inhibit	Active low. Input low voltage	0	-	1.5	V
	Input high voltage ( $I_{IN}$ = 300 $\mu$ A)	3.5	-	5.5	V
	V1 disabled when -PS_Inhibit is pulled low				
	5V <sub>SB</sub> not affected by -PS_Inhibit				
	V1 enabled when -PS_Inhibit is floating or high				
P_OK*	Logic level low (<10 mA sinking)	-	-	0.7	V
	Logic level high (100 μA sourcing)	2.4	-	5.5	V
	Low to high time after V1 in regulation	40	-	350	ms
	Power down warning time	1	-	-	ms
5V <sub>SB</sub> Output	Active and in regulation after a 85 <v<sub>AC&lt;264 is applied</v<sub>	-	-	1500	ms
	5V <sub>SB</sub> not affected by PS_Inhibit				

<sup>\*</sup> When V1 is On, a P\_OK low may indicates V1 under voltage condition. When two ABS601 operate in parallel, P\_OK low in one unit indicates that it is not sharing the expected amount of current (current sharing fault). A 10 k $\Omega$  internal pull up to 5V<sub>SB</sub> is used; do not add any other external pull up.

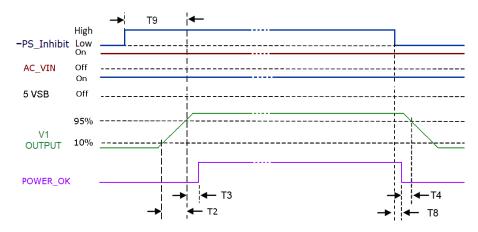
#### AC/DC INPUT OFF-TO-ON AND ON-TO-OFF TIMINGS



5V <sub>SB</sub> On – V1 On	250 ms ≤ T1 ≤ 550 ms
V1 rise time	10 ms ≤ T2 ≤ 100 ms
5V <sub>SB</sub> rise time	3 ms ≤ T10 ≤ 40 ms
V1 On - POWER_OK delay	200 ms ≤ T3 ≤ 350 ms
Power down warning	T4≥1 ms
V1 Off – 5V <sub>SB</sub> Off	T5≥0.5 s (V1 load > 25 W)
AC Off – POWER_OK low	T6≥15 ms
AC_On – 5V <sub>SB</sub> turn on time	T7 ≤ 1.5 s



# PS\_INHIBIT OFF-TO-ON AND ON-TO-OFF TIMINGS



V1 rise time	10 ms ≤ T2 ≤ 100 ms
V1 On - POWER_OK delay	200 ms ≤ T3 ≤ 350 ms
Power down warning	T4≥1 ms
PS_Inhibit - POWER_OK low timing	T8 ≤ 2 ms
PS_Inhibit - V1 On delay	T9 ≤ 450 ms

### 5. PROTECTION SPECIFICATIONS

PARAMETER	DESCRIPTION / CONDITION	MIN	NOM	MAX	UNIT
Input Under Voltage	Auto-recovering	58	75	82	$V_{AC}$
Input Fuse	High breaking, 10 A, 250 V on L and L1.	-	-	10	Α
Over Current	At nominal input voltages V1: Hiccup mode, auto-recovering (>10 s) V1: Hiccup mode, auto-recovering (<10 s) 5 V <sub>ss</sub> : Hiccup mode, auto-recovering:	108 135 1.6	- - -	132 163 3.6	%I1 <sub>Rated</sub> %I1 <sub>Rated</sub> A
Short Circuit	At nominal input voltages V1: Hiccup mode, auto-recovering. 5V <sub>SB</sub> : Hiccup mode, auto-recovering.	-	-	-	
Over Voltage	V1, Power shut down, latch off. 12V <sub>SB</sub> , Hiccup mode, auto-recovering.	120 -	-	145 150	$%V_{NOM}$
Over Temperature (on primary stage)	Shut down, latch off.	-	-	-	°C
Over Temperature (on secondary side)	Hiccup mode, auto-recovering.	-	-	-	°C
Isolation: Primary-to-Secondary	Reinforced	5660 4000	-	-	$V_{DC}$ $V_{AC}$
Isolation: Input-to-Earth	Basic Production tested at 2121 V <sub>DC</sub>	2121 1500	-	-	$V_{DC}$ $V_{AC}$
Isolation: V1-to-5V <sub>SB</sub>	Basic	100	-	-	V <sub>AC</sub>
Isolation: Output-to-Earth	Basic	1500	-	-	$V_{AC}$
Equipment Protection Class	Class I, compatible with BF (Body Floating) ME (Medical Equipment)				



#### 6. ENVIRONMENTAL SPECIFICATIONS

PARAMETER	DESCRIPTION / CONDITION	MIN	NOM	MAX	UNIT
Operating Temperature Range	No de-rating up to 55°C, at ≥ 180 V <sub>AC</sub>	-30	-	55	°C
Operating Temperature Range with Derating	See derating curves and conditions in the Output Specification section	s _	-	70	°C
Storage Temperature Transportation Temperature	As per IEC/EN 60721-3-1 Class 1K4 As per IEC/EN 60721-3-2 Class 2K4	-40	-	85	°C
Humidity	RH, Non-condensing Operating. Non-operating	-	-	90 95	% %
Operating Altitude		-	-	5000	m
Shock	EN 60068-2-27  Operating: Half sine, 30 g, 18 ms, 3 axes, 6x each (3 Non-Operating: Half sine, 50 g, 11 ms, 3 axes, 6x each (3				
Vibration	EN 60068-2-64 Operating: Sine, 10 – 500 Hz, 1 g, 3 axes, 1 oct/min., Random, 5 – 500 Hz, 0.02 g²/Hz, 1 g <sub>RMS</sub> , 3 Non-Operating: 5 – 500 Hz, 2.46 g <sub>RMS</sub> (0.0122 g²/Hz), 3 ax	3 axes, 30 min.	Ŭ ,		
MTBF	Full Load, 40 °C ambient 80% Duty cycle, Telcordia SR-332 Issue 2	200000	-	-	Hours
Useful Life	Nominal V <sub>IN</sub> , 80% load, 40 °C ambient (IPC9592)	<del>-</del>	10	-	Years

# 7. ELECTROMAGNETIC COMPATIBILITY (EMC) - EMISSIONS

PARAMETER	DESCRIPTION / CONDITION	STANDARD	PERFORMANCE CLASS
Conducted	115, 230, 277 V <sub>RMS</sub> , Maximum load	EN 55032 (ITE) EN 55011 (ISM) FCC Part 15	В
Radiated	The "SL" variant compliance to the Class B is conditioned by the use of a common ground plane between the power supply and its load	EN 55032 (ITE) EN 55011 (ISM) FCC Part 15	В
Line Voltage Fluctuation & Flicker	At 20%, 50% and 100% maximum load Nominal input voltages	EN 61000-3-3	
Harmonic Current Emission	230 VAC input voltage, 50 / 60 Hz 230 VAC 50 / 60 Hz, >150 W load	EN 61000-3-2 EN 61000-3-2	A, D C

# 8. ELECTROMAGNETIC COMPATIBILITY (EMC) - IMMUNITY

PARAMETER	DESCRIPTION	/ CONDITION	STANDARD	TEST LEVEL	CRITERIA
		ard for Industrial/IMS equipment	EN 55024 EN 61000-6-2		
ESD	15 kV air dischar at any point of th	ge, 8 kV contact, ne system.	EN 61000-4-2	4	Α
Radiated Field	10 V/m, 20-2700	MHz, 1 KHz, 80% AM.	EN 61000-4-3	3	Α
Electric Fast Transient	±2 kV on AC pov	ver port for 1 minute	EN 61000-4-4	3	Α
Surge	±2 kV line to line	; ± 4 kV line to earth on AC power port	EN 61000-4-5	4	Α
Conducted RF Immunity	10 V <sub>RMS</sub> , 0.15-80	MHz, 1 kHz, 80% AM	EN 61000-4-6	3	Α
Dips and Interruptions	200 – 277 V <sub>AC</sub> :	Drop-out to 0% for 10 ms Dip to 40% for 5 cycles (100 ms) Dip to 70% for 25 cycles (500 ms) Drop-out to 0% for 5 s	EN61000-4-11 EN61000-4-11 EN61000-4-11 EN61000-4-11		A A A B
Sipo and interruptions	100 – 127 V <sub>AC</sub> :	Drop-out to 0% for 10 ms Dip to 40% for 5 cycles (100 ms) Dip to 70% for 25 cycles (500 ms) Drop-out to 0% for 5 s	EN 61000-4-11 EN 61000-4-11 EN 61000-4-11 EN 61000-4-11		A A (derate to 150 W) A (derate to 400 W) B



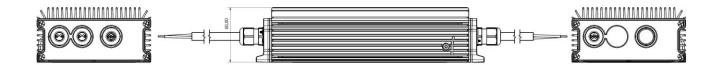
Asia-Pacific Europe, Middle East +86 755 298 85888 +353 61 225 977

### 9. SAFETY AGENCIES APPROVALS

CERTIFICATION BODY	SAFETY STANDARDS	CATEGORY
CSA / UL	CSA C22.2 No. 60950-1, UL 60950-1, UL 62368-1	Audio Video and Information Technology Equipment
IEC IECEE CB Certification	UL8750, CSA C22.2 No 250.13 IEC/EN 60950-1, IEC/EN 62368-1	Lighting Audio Video and Information Technology Equipment
	Directive 2014/35/EU: Electrical Safety: Low Voltage electrical equipment (LVD)	Audio Video and Information Technology Equipment
CE	Directive 2014/30/EU: Electromagnetic Compatibility (EMC)	
	Directive 2015/863/EU: RoHS 3	
	Designed to meet IEC/EN/UL/CSA 61010-1 2nd edition	

# 10. MECHANICAL SPECIFICATIONS

PARAMETER	DESCRIPTION / CONDITION
Weight	2770 g (6.11 lb) 2850 g (6.28 lb) – SL models
Overall Dimensions	125.0 x 250.5 x 60.0 mm (4.92 x 9.86 x 2.36 in)



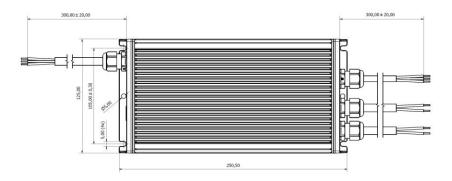
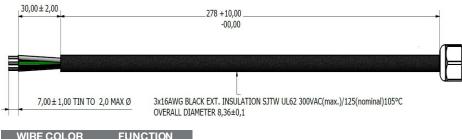


Figure 3. Mechanical drawing



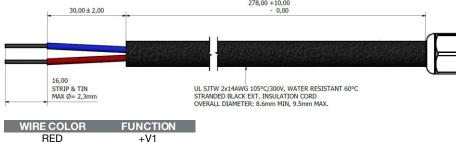
#### 11. CONNECTIONS AND PIN DESCRIPTION

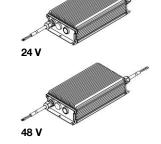
#### **INPUT CABLE**



WIRE COLOR	FUNCTION
BLACK	Line
GREEN	PG
WHITE	Neutral

#### **OUTPUT CABLE**

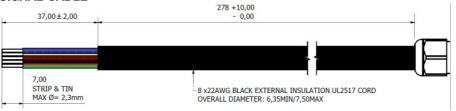






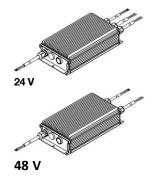


WIDE OOL OD



WIRE COLOR	FUNCTION
BLACK	RTN
RED	+5 VSB
BROWN	RS-
GREEN	P_OK
YELLOW	- PSINHIBIT
GREY	VS_LOGIC
BLUE	I SHARE 1
WHITE	RS+

FUNCTION



### For more information on these products consult: tech.support@psbel.com

NUCLEAR AND MEDICAL APPLICATIONS - Products are not designed or intended for use as critical components in life support systems, equipment used in hazardous environments, or nuclear control systems.

TECHNICAL REVISIONS - The appearance of products, including safety agency certifications pictured on labels, may change depending on the date manufactured. Specifications are subject to change without notice.



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