



























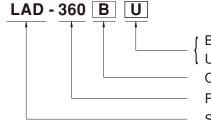
■ Features

- · Built-in battery charger and UPS function
- TTL signals for status detection:
 AC OK, Battery disconnect, Battery reverse polarity, Battery low,
 Battery full and Discharge (Blank version only)
- · UART Communication (U version only)
- Built-in buzzer alarm (U version only)
- Built-in AC and battery circuit ON/OFF switchs enhance safetyness during maintenance
- · Forced UPS mode for battery maintenance
- Protections: Short circuit / Overload / Over voltage /
 Over temperature / Battery low voltage /
 Battery reverse polarity (No damage)
- -20 ~ +60°C wide operating temperature
- Output voltage adjustable (-20%~+5%) for CH1 by VR
- · Suitable for lead acid and lithium-ion batteries
- Design refer to GB17945/GB4717(U version only) system requirement
- 1U low profile (30 mm)
- · 3 years warranty

■ Description

LAD-360 series is a 360W economical AC/DC low profile security power supply with UPS function. Adopting the input range from 90Vac to 264Vac (115Vac/230Vac selectable by switch) and supports output 27.6V, 41.5V and 55.2Vdc. With high efficiency up to 86.5% and built-in AC, battery switch for easy maintenance. In addition, LAD-360 series not only provide TTL signals for AC OK, battery disconnect, battery reverse polarity (No damage), battery low detection, battery full and discharge, but also possess UART version so the users can monitor and control the status of the units, that enhance easy way for integration into security and fire systems directly.

■ Model Encoding



Blank: TTL signal only

U: UART Communication only

Output voltage(B: 27.6V, C: 41.5V, D: 55.2V)

Rated wattage Series name

Applications

- Fire emergency and evacuation system
- Public safety battery back-up
- Security system
- Uninterruptible DC-UPS system
- · Central monitoring system
- Industrial automation

■ GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx



SPECIFICATION FOR TTL FUNCTION MODEL (Blank Version)

MODEL		LAD-360B		LAD-360C		LAD-360D	
	OUTPUT NUMBER	CH1	CH2	CH1	CH2	CH1	CH2
	DC VOLTAGE	27.6V	27.6V	41.5V	41.5V	55.2V	55.2V
	RATED CURRENT		-		-		
		11.5A	1.5A(Battery Charger		1.5A(Battery Charger)		1.5A(Battery Charg
	CURRENT RANGE	0 ~ 13A		0 ~ 8.64A		0 ~ 6.53A	
UTPUT	RATED POWER	358.8W	T	358.56W		360.46W	
	RIPPLE & NOISE (max.) Note.2	150mVp-p		240mVp-p		240mVp-p	
	VOLTAGE ADJ. RANGE	CH1: 21.6 ~ 29V		CH1: 32.4 ~ 43.5V		CH1: 43.5 ~ 58V	
	VOLTAGE TOLERANCE Note.3	±1.0%		±1.0%		±0.5%	
	LINE REGULATION	±0.5%		±0.5%		±0.5%	
	LOAD REGULATION	±0.5%		±0.5%		±0.5%	
	SETUP, RISE TIME	2000ms, 50ms/230V/	AC 2000ms 50m	ns/115VAC at full loa	d		
	HOLD UP TIME (Typ.)				u .		
	BATTERY STATIC DISCHARGE		12ms/115VAC at full lo	iau			
	CURRENT	<100µA					
	VOLTAGE RANGE	90 ~ 132VAC / 180 ~	264VAC by switch	240 ~ 370VDC	(Default switch at 230VA	(C)	
	FREQUENCY RANGE	47 ~ 63Hz	204V/10 by Switch	240 070000	(Delault Switch at 200 V)	10)	
NPUT	· · · · · · · · · · · · · · · · · · ·			T		T	
	EFFICIENCY (Typ.)	86%		86.5%		86.5%	
	AC CURRENT (Typ.)	8A/115VAC 4A/	/230VAC				
	INRUSH CURRENT (Typ.)	COLD START 60A/1	115VAC 60A/230\	/AC			
	LEAKAGE CURRENT	<0.5mA / 240VAC					
		CH1:105 ~ 135%	CH2:90 ~ 110%				
		Protection type : CH	1 OLP, CH2 with batter	ry: The unit will ente	r to UPS mode when CH	1 is around 105%~1	20%,
	OVERLOAD			when total output	t of CH1 + CH2 reach arc	ound 125%~135% or	utput shuts down
	OVERLOAD	CH ²	1 OLP, CH2 without ba	ttery:Shut down o/p	voltage,re-power on to re	emoved	
		CH2	2 : Constant current lin	niting; fault conditior	n does not affect CH1 wo	rking,recovers autor	natically after fault
DOTECTION			condition is remove	ed (External fuse is r	mandatory in series conn	ection with battery for	or protection)
ROTECTION		CH1:31 ~ 36V		CH1:47 ~ 55V		CH1:59 ~ 69V	. ,
	OVER VOLTAGE		ıt down o/p voltage, re			0111.00 001	
	OVED TEMPEDATURE	• •		· ·			
	OVER TEMPERATURE		it down o/p voltage, re	·			
	BATTERY REVERSE POLARITY	Protected when reve	rse polarity, no dama	ge, recovers automa	atically after fault condition	n is removed	
	BATTERY CUTOFF	21.5V±0.5V		32V±0.5V		43V±0.5V	
	AC OK	TTL signal, High / Op	oen: AC Fail; Low: AC	C OK; Ice: max. 30r	nA@ 50VDC		
	BATTERY DISCONNECT/	TTI size I likely (October 1994) and I leave the second of the leave the leave the second of the leave the leave the leave the second of the leave t					
	REVERSE POLARITY	TTL signal, High / Open: Battery connect/normal; Low: Battery disconnect/reverse polarity; Ice: max. 30mA@ 50VDC					
UNCTION	BATTERY LOW	TTL signal, High / Open : Battery normal ; Low : Battery low; Ice : max. 30mA@ 50VDC					
	BATTERY FULL	TTL signal, High / Open : Battery charging ; Low : Battery full ; Ice : max. 30mA@ 50VDC					
	DISCHARGE		pen : Charge ; Low : Di	· · · · · · · · · · · · · · · · · · ·			
	WORKING TEMP.						
	WORKING HUMIDITY	20 ~ 95% RH non-co					
NI//DONMENT	STORAGE TEMP., HUMIDITY		% RH non-condensing	~			
NVIRONMENT				<u>y</u>			
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C	,				
	VIBRATION		in./1cycle, 60min. eac				
	SAFETY STANDARDS	UL62368-1, BS EN/E	EN62368-1, AS/NZS62	2368.1, EAC TP TC (004 approved; Design re	fer to GB 17945-201	0
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/F	P-FG:2KVAC O/P-F0	G:0.5KVAC			
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-	-FG:100M Ohms / 500	VDC / 25°C/ 70% RI	Н		
		Parameter	Standard		Test Level / Note		
			BS EN/EN5503	32 (CISPR32)			
		Conducted	EAC TP TC 02	, , , , , , , , , , , , , , , , , , , ,	Class A		
\AFET\(^	EMC EMISSION	Dadiet - d	BS EN/EN5503		01 4		
SAFETY &		Radiated	EAC TP TC 02		Class A		
MC		Harmonic Current					
Note 4 & 5)		Voltage Flicker					
		Parameter	Standard		Test Level / Note		
				00.4.0		10.0101/	tauta A
		ESD	BS EN/EN610		Level 3, 8KV air ; Leve		teria A
		Radiated	BS EN/EN610	00-4-3	Level 3, 10V/m; criteria	a A	
	EMC IMMUNITY	EFT / Burst	BS EN/EN610	00-4-4	Level 3, 2KV; criteria A		
		Surge	BS EN/EN610	00-4-5	Level 3, 1KV/Line-Line	;2KV/Line-FG ;criter	ria A
		Conducted	BS EN/EN610	00-4-6	Level 3, 10V; criteria A		
		Magnetic Field	BS EN/EN610	00-4-8	Level 4, 30A/m; criteria	a A	
	MTBF						
THERS			Telcordia SR-332 (Bel	llcore); 153.3K hrs	s min. MIL-HDBK-217	1 (20 0)	
I II EKS	DIMENSION	215*115*30mm (L*W*H) 0.75Kq; 15pcs/12.25Kq/0.7CUFT					
	1. All parameters NOT special 2. Ripple & noise are measure 3. Tolerance : includes set up 4. The power supply is consid	lly mentioned are meaded at 20MHz of bands tolerance, line regular ered a component will	asured at 230VAC inp width by using a 12" t tion and load regulation hich will be installed in	twisted pair-wire ter on. nto a final equipmei	minated with a 0.1 μ F δ	3.47μ F parallel cape been executed by	mounting the unit or
IOTE	The final equipment must b "EMI testing of component 5. This power supply does not under the following conditio	Omm*360mm metal plate with 1mm of thickness. Radiation testing requires adding 13*26*30NIZN magnetic loops or buckles to the battery outp final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to testing of component power supplies." (as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) power supply does not meet the harmonic current requirements outlined by BS EN/EN61000-3-2. Please do not use this power supply r the following conditions: le end-devices is used within the European Union, and			se refer to		
	b) the end-devices is conn c) the power supply is: - i	ected to public mains	supply with 220Vac es with average or co				

- belong to part of a lighting system

- Power supplies used within the following end-devices do not need to fulfill BS EN/EN61000-3-2
- a) professional equipment with a total rated input power greater than 1000W; b) symmetrically controlled heating elements with a rated power less than or equal to 200W 6. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).
- % Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx



SPECIFICATION FOR UART COMMUNICATION FUNCTION MODEL (U Version)

MODEL		LAD-360BU		LAD-360CU		LAD-360DU		
	OUTPUT NUMBER	CH1	CH2	CH1	CH2	CH1	CH2	
	DC VOLTAGE	27.6V	27.6V	41.5V	41.5V	55.2V	55.2V	
	RATED CURRENT	11.5A	1.5A(Battery Charger)	7.14A	1.5A(Battery Charger)	5.03A	1.5A(Battery Charg	
	CURRENT RANGE	0 ~ 13A		0 ~ 8.64A		0 ~ 6.53A		
	RATED POWER	358.8W		358.56W		360.46W		
	RIPPLE & NOISE (max.) Note.2			240mVp-p		240mVp-p		
DUTPUT	VOLTAGE ADJ. RANGE							
		CH1: 21.6 ~ 29V		CH1: 32.4 ~ 43.5V		CH1: 43.5 ~ 58V		
	VOLTAGE TOLERANCE Note.3	= 1.10 7.0		±1.0%		±0.5%		
	LINE REGULATION	±0.5%		±0.5%		±0.5%		
	LOAD REGULATION	±0.5%		±0.5%		±0.5%		
	SETUP, RISE TIME	2000ms, 50ms/230VA	2000ms, 50ms/230VAC 2000ms, 50ms/115VAC at full load					
	HOLD UP TIME (Typ.)	6ms/230VAC 12ms/115VAC at full load						
	BATTERY STATIC DISCHARGE	<100µA						
	CURRENT	'						
	VOLTAGE RANGE	90 ~ 132VAC / 180 ~ 2	64VAC by switch	240 ~ 370VDC	(Default switch at 230VA	AC)		
	FREQUENCY RANGE	47 ~ 63Hz						
NPUT	EFFICIENCY (Typ.)	86%		86.5%		86.5%		
NPUI	AC CURRENT (Typ.)	8A/115VAC 4A/2	230VAC					
	INRUSH CURRENT (Typ.)	COLD START 60A/11		/AC				
	LEAKAGE CURRENT	<0.5mA / 240VAC	007.02001					
	EE/HUIGE GOITHEIT		CH2:90 ~ 110%					
				w. The unit will ente	r to UPS mode when CH	1 is around 105% ~	1200/	
		Frotection type . Of the	OLF, OHZ WITH DATE		t of CH1 + CH2 reach arc			
	OVERLOAD	CH1	OLD CH2 without ha		voltage,re-power on to r		output siluts down	
					n does not affect CH1 wo		matically after fault	
		CHZ			nandatory in series conn			
PROTECTION		0114-04 001/	condition is remove		nanualory in Series Conin	1	ioi protection)	
	OVER VOLTAGE	CH1:31 ~ 36V	d	CH1:47 ~ 55V	l	CH1:59 ~ 69V		
		Protection type : Shut						
	OVER TEMPERATURE	Protection type: Shut down o/p voltage, re-power on to removed						
	BATTERY REVERSE POLARITY	Protected when revers	se polarity , no damag	e, recovers automa	recovers automatically after fault condition is removed			
	BATTERY CUTOFF	21.5V±0.5V		32V±0.5V 43V±0.5V				
		115VAC Input: Signals AC failure and activates when input voltage <75VAC						
		Recov	er the main power su	pply when input volt	tage >85VAC			
	AC OK	230VAC Input : Signal	s AC failure and activ	ates when input vol	tage <165VAC			
UNCTION		230VAC Input : Signals AC failure and activates when input voltage <165VAC Recover the main power supply when input voltage >175VAC						
	CHARGER CIRCUIT FAIL	Battery disconnected, battery reverse polarity, signal failure						
			Battery disconnected, battery reverse polarity , signal failure Battery low(fire alarm system selectable by UART)					
	BUZZER ALARM	, ,	•	• /	nect, overload status (ev	acuation system se	electable by UART)	
	WORKING TEMP.			· · · · · · · · · · · · · · · · · · ·	(-	· · · · · · · · · · · · · · · · · · ·	, , , , , , , , , , , , , , , , , , ,	
	WORKING HUMIDITY	-20 ~ +60°C (Refer to "Derating Curve")						
		20 ~ 95% RH non-condensing -30 ~ +85°C. 10 ~ 95% RH non-condensing						
NVIRONMENT	•			3				
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)						
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes						
	SAFETY STANDARDS	UL62368-1, BS EN/EN62368-1, AS/NZS62368.1, EAC TP TC 004 approved; Design refer to GB 17945-2010, GB4717					, GB4717	
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-	FG:2KVAC O/P-F0	G:0.5KVAC				
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-F	G:100M Ohms / 500	VDC / 25°C/ 70% RI	Н			
		Parameter	Standard		Test Level / Note			
			BS EN/EN5503	32 (CISPR32)				
		Conducted	EAC TP TC 02		Class A			
DAFFTY 0	EMC EMISSION	D-di-t-d	BS EN/EN5503	32 (CISPR32).				
SAFETY &		Radiated	EAC TP TC 02		Class A			
EMC		Harmonic Current						
Note 4 & 5)		Voltage Flicker						
		Parameter	Standard		Test Level / Note			
				20.4.0		0.0107		
		ESD	BS EN/EN6100		Level 3, 8KV air ; Level		teria A	
		Radiated	BS EN/EN610	00-4-3	Level 3, 10V/m; criteria	a A		
		EFT / Burst	BS EN/EN610	00-4-4	Level 3, 2KV; criteria A	1		
	EMC IMMUNITY	Surge	BS EN/EN610	00-4-5	Level 3, 1KV/Line-Line	;2KV/Line-FG ;crite	eria A	
	EMC IMMUNITY	ourge		20.40	Level 3, 10V; criteria A			
	EMC IMMUNITY	Conducted	BS EN/EN610	JU-4-6	Level 3, 10V, Cillella A			
	EMC IMMUNITY	-	BS EN/EN6100 BS EN/EN6100					
		Conducted Magnetic Field	BS EN/EN6100	00-4-8	Level 4, 30A/m; criteria	a A		
OTHEDS.	МТВГ	Conducted Magnetic Field 1160.5K hrs min. To	BS EN/EN6100 elcordia SR-332 (Bel	00-4-8	Level 4, 30A/m; criteria	a A		
OTHERS		Conducted Magnetic Field	BS EN/EN6100 elcordia SR-332 (Bel 'H)	00-4-8	Level 4, 30A/m; criteria	a A		

3. Tolerance : includes set up tolerance, line regulation and load regulation.

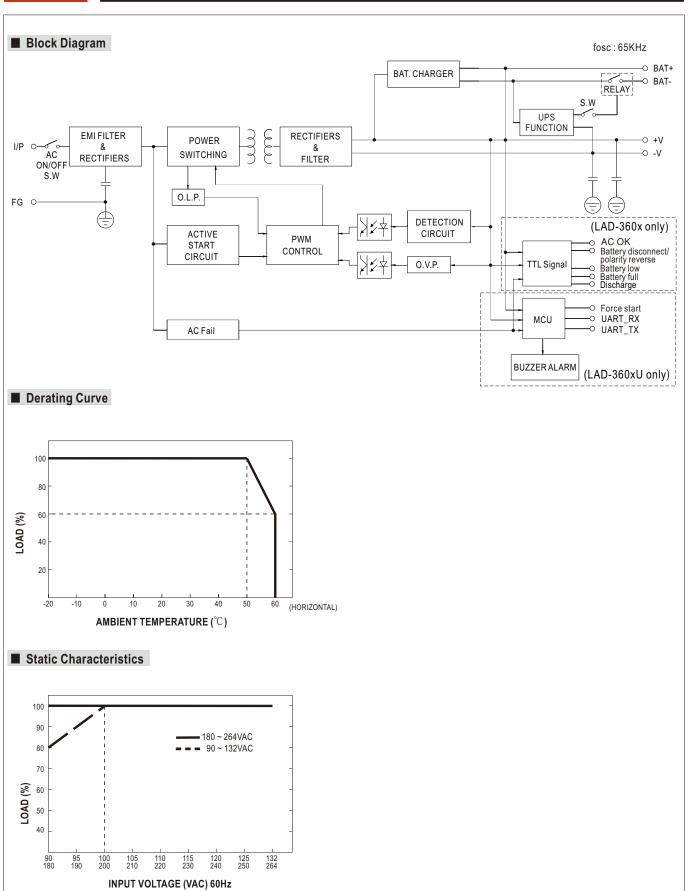
- 3. Tolerance: includes set up tolerance, line regulation and load regulation.
 4. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 360mm*360mm metal plate with 1mm of thickness. Radiation testing requires adding 13*26*30NIZN magnetic loops or buckles to the battery output wire. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf)
- 5. This power supply does not meet the harmonic current requirements outlined by BS EN/EN61000-3-2. Please do not use this power supply under the following conditions:

NOTE

- a) the end-devices is used within the European Union, and
 b) the end-devices is connected to public mains supply with 220Vac or greater rated nominal voltage, and
 c) the power supply is: installed in end-devices with average or continuous input power greater than 75W, or - belong to part of a lighting system

- Power supplies used within the following end-devices do not need to fulfill BS EN/EN61000-3-2
- a) professional equipment with a total rated input power greater than 1000W; b) symmetrically controlled heating elements with a rated power less than or equal to 200W 6. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).
- % Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx



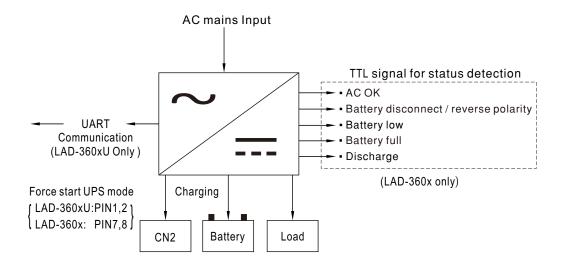




■ Suggested Application

1.DC-UPS function

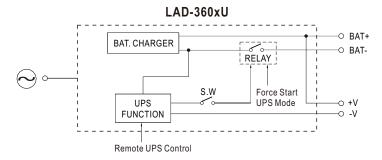
When AC voltage drops below 75/165VAC, The UPS function will activate and power source switch battery backup.



2.UART Communication Function (U version only)

The power supply uploads various fault signals, power supply working status, single battery voltage, main voltage, output voltage and output current to the controller through the UART, and changes the power supply working status according to the controller instructions. For details, please refer to the user manual.

2.1 Forced Start & Remote UPS Control(U version only)



※ Force start UPS mode:

According to fire safety regulation, UPS power supply must equip with force start UPS function. In case of emergency, maintenance or testing, personal can active the UPS mode of by shorting PIN1 and PIN2 of LAD-360xU to ensure the energy supply to the loads. When operating under UPS mode, the BAT. UVP alarm is still active, but the BAT. UVP protection will be disable, therefore, the battery will be fully discharged until system shuts down.

Pin 1 & 2	Status
Short	Forced start
Open	Normal



Note:

^{1&}lt;sup>st</sup> priority of UPS mode: Force start UPS function by internal relay.



※ Remote UPS mode:

According to fire safety regulation, UPS power supply must equip with remote UPS function. So the power supply unit can be linked to the fire alarm system, user's system will be able to detect the status of PIN3 and PIN4 LAD-360xU with UART communication. When PIN 3 and PIN 4 is shorted, the power supply will enter remote UPS mode, therefore the UPS mode will be active and the status signal will also send to the fire alarm system for indication. Personal or the system can use the signal as trigger threshold for other alarm systems to decide when and how to enter the emergency sequence. Under this condition, BAT. UVP alarm and protection are still active.

Pin 3 & 4	Status
Short	Remote UPS control
Open	Normal



Note:

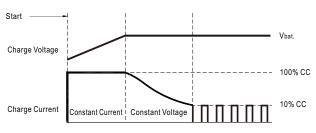
 2^{nd} priority of UPS mode: UPS function can be activate by controlling with this signal, since the controller is still normal, the relay can be controlled through communication protocol.

2.2 Charging Curve for Different Battery (U version only)

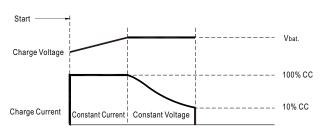
Pin 5 & 6	Battery Type
Short	Li-ion batteries
Open	Lead-acid (Pb) batteries







O Charging curve



O Apply to Lead-acid batteries

O Apply to Li-ion batteries

2.3 Mode Selection for Buzzer(U version only)

Pin 7 & 8	Status
Short	Fire alarm system
Open	Evacuation system



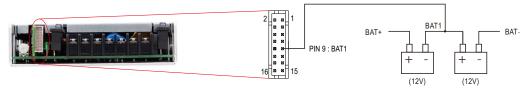
Note:

LAD-360BU Open circuit for fire alarm, Short circuit for evacuation; LAD-360CU/DU Open circuit for evacuation, Short circuit for fire alarm.

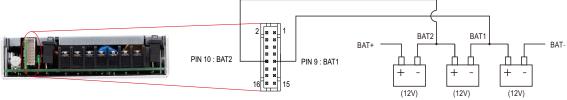


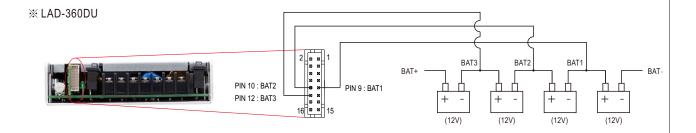
2.4 Battery Inspection

※ LAD-360BU



% LAD-360CU





2.5 UART Communication Interface(U version only)

Communication provides functions such as control, setting, and monitoring.

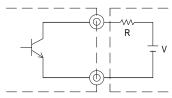
The parameters include the backup power switch, battery undervoltage point ,etc.





3. Function signals by TTL and UART

- TTL Signal is sent out through pins from CN2.
- External voltage source is required for the TTL signal. The maximum voltage is 50VDC and the maximum sink current is 30mA.



External voltage and resistor (The max. sink current is 30mA at 50VDC)

3.1 AC OK: Detection of AC status

• TTL Signal for Blank version

Between pin 1 and pin 4	Description
Low (0.3V max. at 30mA)	The signal is "Low" when the AC input is normal
High or open (External applied voltage 50\	/ max.) The signal turns to be "High" when the AC input is abnormal



• Signal for UART Version

AC OK is achievable through UART communication protocol, please refer to for more detail: http://www.meanwell.com/manual.html

3.2 Battery Disconnected/Reverse Polarity: Battery status detection

• TTL Signal for Blank version

Between pin 2 and pin 4	Description
Low (0.3V max. at 30mA)	The signal is "Low" when the battery is not connected or inversely connected
High or open (External applied voltage 50V max.)	The signal turns to be "High" when the battery is connected or normal



Note. The signals of battery disconnected and reverse polarity can only be detected during the first power transmission, it is can not be detected at any time.

• Signal for UART Version

 $Battery\ Disconnected/Reverse\ Polarity\ is\ achievable\ through\ UART\ communication\ protocol, please\ refer\ to\ for\ more\ detail: \\ \underline{http://www.meanwell.com/manual.html}$



3.3 Battery Low: Battery low detection

• TTL Signal for Blank version

Between pin 3 and pin 4	Description
Low (0.3V max. at 30mA)	The signal is "Low" when the battery is under voltage protected
High or open (External applied voltage 50V max.)	The signal turns to be "High" when the battery is normal



Signal for UART Version
 Battery Low is achievable through UART communication protocol, please refer to for more detail:
 http://www.meanwell.com/manual.html

3.4 Battery Full: Battery full detection

• TTL Signal for Blank version

Between pin 4 and pin 5		Description
	Low (0.3V max. at 30mA)	The signal is "Low" when the battery is fully charged
	High or open (External applied voltage 50V max.)	The signal turns to be "High" when the battery is charged



• Signal for UART Version

Battery Full is achievable through UART communication protocol, please refer to for more detail: http://www.meanwell.com/manual.html



3.5 Discharge: Discharge detection

• TTL Signal for Blank version

Between pin 4 and pin 6	Description
Low (0.3V max. at 30mA)	The signal is "Low" when the power supply is discharging
High or open (External applied voltage 50V max.)	The signal is "High" when the main power is working



• Signal for UART Version

Discharge is achievable through UART communication protocol, please refer to for more detail: $\underline{\text{http://www.meanwell.com/manual.html}}$

3.6 Forced Start: Forced start UPS mode

• TTL Signal for Blank version

Pin 7 & 8	Status
Short	Forced start UPS mode
Open	Normal



• Signal for UART Version

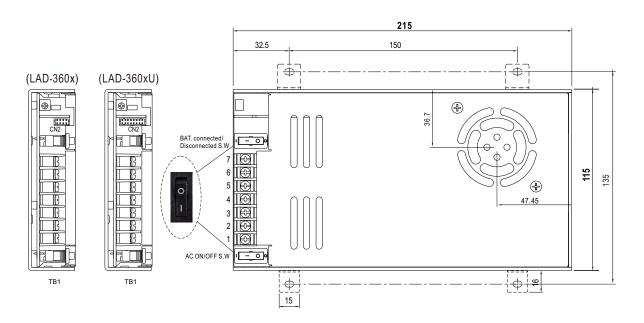
Forced Start is achievable through UART communication protocol, please refer to for more detail: http://www.meanwell.com/manual.html

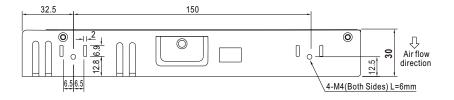


■ Mechanical Specification

Case No.

Unit:mm





※ Connector Pin No. Assignment(CN2) (LAD-360x)

Pin No.	Assignment(TTL Signal)	Mating Housing	Terminal
1	AC OK		
2	Battery disconnect/ reverse polarity		
3	Battery low	TIVE BLIG	TIVE BUT 40/1 E
4	GND	TKP DH2 or equivalent	TKP DHT-1S(LF) or equivalent
5	Battery full	or equivalent	or equivalent
6	Discharge		
7,8	Open : normal Short : forced start UPS mode		

X Terminal Pin No. Assignment(TB1)

	_
Pin No.	Assignment
1	AC/L
2	AC/N
3	FG ±
4	DC OUTPUT -V
5	DC OUTPUT +V
6	BAT -
7	BAT +

<u>(1</u>)

DC OUTPUT -V and BAT - can not be shorted.

Connector Pin No. Assignment(CN2) (LAD-360xU)

Pin No.	Assignment	Mating Housing	Terminal
1,2	Short : forced start	TKP DH2 or equivalent	TKP DHT-1S(LF) or equivalent
1,2	Open : normal		
3,4	Short : Remote UPS control		
3,4	Open : normal		
F.0	Short : Li- ion batteries		
5,6	Open : Lead-acid (Pb) batteries		
7,8	Fire alarm/ evacuatione option		
9	BAT1		
10	BAT2		
11	NC		
12	BAT3		
13	UART_RX		
14	UART_TX		
15	GND		
16	3.3V		

+3.3 V (ref) for testing use only; can't supply power over 1mA for a long time

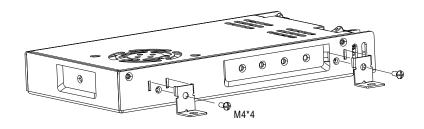


■ Accessory List

Bracket (Optional accessory, Should ordered seperately)

MW's Order No.	Item	Quantity
PGG2MHS012		4pcs/per model

■ Installation Diagram









■ Installation Manual

Please refer to : http://www.meanwell.com/manual.html