





















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
- Built-in AC and battery circuit ON/OFF switchs enhance safetyness Central monitoring system 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 system requirement
- 1U low profile (30 mm)
- · 3 years warranty

Applications

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

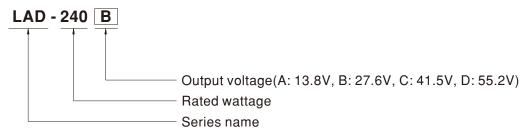
GTIN CODE

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

Description

LAD-240 series is a 240W 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 13.8V, 27.6V, 41.5V and 55.2Vdc. With high efficiency up to 88% and built-in AC, battery switch for easy maintenance. In addition, LAD-240 series also provide TTL signals for AC OK, battery disconnect, battery reverse polarity (No damage), battery low detection, battery full and discharge, to allow easy integration into security and fire systems directly.

Model Encoding





SDECIEIC ATION

MODEL		LAD-240A		LAD-240B		LAD-240C		LAD-240D		
	OUTPUT NUMBER	CH1 C	H2	CH1	CH2	CH1	CH2	CH1	CH2	
	DC VOLTAGE	-	3.8V	27.6V	27.6V	41.5V	41.5V	55.2V	55.2V	
	RATED CURRENT		(Battery Charger)		-	4.78A	1A(Battery Charger)	3.4A	1A(Battery Charc	
	CURRENT RANGE			0 ~ 8.7A		0 ~ 5.78A		0 ~ 4.4A		
	RATED POWER	240.12W		240.12W		239.87W		242.88W		
		-								
	RIPPLE & NOISE (max.) Note.2			150mVp-p	.,	240mVp-p		240mVp-p		
DUTPUT	VOLTAGE ADJ. RANGE			CH1: 21.6 ~ 29	V	CH1: 32.4 ~ 4:	3.5V	CH1: 43.5 ~ 5	V8V	
	VOLTAGE TOLERANCE Note.3	=,,,		±1.0%		±1.0%		±0.5%		
	LINE REGULATION	±0.5%		±0.5%		±0.5%		±0.5%		
	LOAD REGULATION	±1.0%		±0.5%		±0.5%		±0.5%		
	SETUP, RISE TIME	2000ms, 50ms/230VAC 2000ms, 50ms/115VAC at full load								
	HOLD UP TIME (Typ.)	16ms/230VAC	12ms/115VA	AC at full load						
	BATTERY STATIC DISCHARGE CURRENT									
	VOLTAGE RANGE	90 ~ 132VAC / 180	~ 264VAC by	switch 240	0 ~ 370VDC (D	efault switch a	t 230VAC)			
İ	FREQUENCY RANGE	47 ~ 63Hz								
NDUT	EFFICIENCY (Typ.)	85.5%		87.5%		88%		88%		
NPUT	AC CURRENT (Typ.)	4.4A/115VAC	2.4A/230VA			0070		0070		
	INRUSH CURRENT (Typ.)	COLD START 60		60A/230VAC						
	LEAKAGE CURRENT	<0.5mA / 240VAC	A/TIOVAC	00A/230VAC						
	LLANAGE CONNENT	CH1:105 ~ 135%	CH2:90 ~	44.00/						
PROTECTION	OVERLOAD	C	Protection type: CH1 OLP, CH2 with battery: The unit will enter to UPS mode when CH1 is around 105%~120%, when total output of CH1 + CH2 reach around 125%~135% output shuts down CH1 OLP, CH2 without battery:Shut down o/p voltage,re-power on to removed CH2: Constant current limiting; fault condition does not affect CH1 working,recovers automatically after fault condition is removed (External fuse is mandatory in series connection with battery for protection)							
	OVER VOLTAGE	CH1:15.5 ~ 18V CH1:31 ~ 36V CH1:47 ~ 55V CH1:59 ~ 69V Protection type: Shut down o/p voltage, re-power on to removed								
	OVER TEMPERATURE	Protection type : S	hut down o/p	voltage, re-powe	er on to removed					
	BATTERY REVERSE POLARITY									
	BATTERY CUTOFF	9.5V±0.5V	voice polarity	21.5V±0.5V	oovoro aatomatic	32V±0.5V	onation to romov	43V±0.5V		
	AC OK		Onen · AC Fai		· Ice · may 30mA			43V±0.5V		
	BATTERY DISCONNECT/ REVERSE POLARITY	TTL signal, High / Open : AC Fail ; Low : AC OK ; Ice : max. 30mA@ 50VDC 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									
	DISCHARGE	TTL signal, High / Open: Battery charging; Low: Battery full; Ice: max. 30mA@ 50VDC								
	WORKING TEMP.	TTL signal, High / Open : Charge ; Low : Discharge ; Ice : max. 30mA@ 50VDC -20 ~ +60°C (Refer to "Derating Curve")								
				Curve)						
	WORKING HUMIDITY	20 ~ 95% RH non-								
NVIRONMENT	RONMENT STORAGE TEMP., HUMIDITY -30 ~ +85°C, 10 ~ 95% RH non-condensing									
	TEMP. COEFFICIENT $\pm 0.03\%$ /°C (0 ~ 50°C)									
	TEMP. COEFFICIENT	,								
	TEMP. COEFFICIENT VIBRATION	±0.03%/°C (0 ~ 5) 10 ~ 500Hz, 5G 10		60min. each aloi	ng X, Y, Z axes					
		,)min./1cycle, 6		• • • • • • • • • • • • • • • • • • •	4 approved; De	sign refer to GB 1	7945-2010		
	VIBRATION	10 ~ 500Hz, 5G 10)min./1cycle, 6 N/EN62368-1,	AS/NZS62368.	1, EAC TP TC 004	4 approved; De	sign refer to GB 1	7945-2010		
	VIBRATION SAFETY STANDARDS	10 ~ 500Hz, 5G 10 UL62368-1, BS EI	omin./1cycle, 6 N/EN62368-1, I/P-FG:2KVA	AS/NZS62368. O O/P-FG:0.5	1, EAC TP TC 004 KVAC	4 approved; De	sign refer to GB 1	7945-2010		
	VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE	10 ~ 500Hz, 5G 10 UL62368-1, BS EI I/P-O/P:3KVAC	omin./1cycle, 6 N/EN62368-1, I/P-FG:2KVA	AS/NZS62368. C O/P-FG:0.5 Dhms / 500VDC	1, EAC TP TC 004 KVAC	4 approved; De	sign refer to GB 1			
	VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE	10 ~ 500Hz, 5G 10 UL62368-1, BS EI I/P-O/P:3KVAC I/P-O/P, I/P-FG, O	omin./1cycle, 6 N/EN62368-1, I/P-FG:2KVA	AS/NZS62368. C O/P-FG:0.5 Ohms / 500VDC Sta BS	1, EAC TP TC 004 KVAC / 25°C/ 70% RH					
-	VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE	10 ~ 500Hz, 5G 10 UL62368-1, BS EI I/P-O/P:3KVAC I/P-O/P, I/P-FG, O Parameter	omin./1cycle, 6 N/EN62368-1, I/P-FG:2KVA	AS/NZS62368. C O/P-FG:0.5i Chms / 500VDC Sta BS EAG BS	1, EAC TP TC 004 KVAC / 25°C/ 70% RH ndard EN/EN55032 (CIS	SPR32),	Test Level / No			
МС	VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	10 ~ 500Hz, 5G 11 UL62368-1, BS EI I/P-O/P:3KVAC I/P-O/P, I/P-FG, O Parameter Conducted	Omin./1cycle, t N/EN62368-1, I/P-FG:2KVAC /P-FG:100M C	AS/NZS62368. C O/P-FG:0.5i Chms / 500VDC Sta BS EAG BS	1, EAC TP TC 004 KVAC / 25°C/ 70% RH ndard EN/EN55032 (CIS C TP TC 020 EN/EN55032 (CIS C TP TC 020	SPR32),	Test Level / No			
МС	VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	10 ~ 500Hz, 5G 10 UL62368-1, BS EI I/P-O/P:3KVAC I/P-O/P, I/P-FG, O Parameter Conducted Radiated Harmonic Curren	Omin./1cycle, t N/EN62368-1, I/P-FG:2KVAC /P-FG:100M C	AS/NZS62368. C	I, EAC TP TC 004 KVAC / 25°C/ 70% RH ndard EN/EN55032 (CIS C TP TC 020 EN/EN55032 (CIS C TP TC 020	SPR32),	Test Level / No Class A			
MC	VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	10 ~ 500Hz, 5G 10 UL62368-1, BS El I/P-O/P:3KVAC I/P-O/P, I/P-FG, O Parameter Conducted Radiated Harmonic Curren Voltage Flicker	Omin./1cycle, t N/EN62368-1, I/P-FG:2KVAC /P-FG:100M C	AS/NZS62368. C O/P-FG:0.50 C O/P-FG:0.50 C Sta BS EAC BS EAC	1, EAC TP TC 004 KVAC / 25°C/ 70% RH ndard EN/EN55032 (CIS C TP TC 020 EN/EN55032 (CIS C TP TC 020	SPR32),	Test Level / No Class A Class A	ote		
МС	VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	10 ~ 500Hz, 5G 10 UL62368-1, BS El I/P-O/P:3KVAC I/P-O/P, I/P-FG, O Parameter Conducted Radiated Harmonic Curren Voltage Flicker Parameter	Omin./1cycle, t N/EN62368-1, I/P-FG:2KVAC /P-FG:100M C	AS/NZS62368. C O/P-FG:0.50 C O/P-FG:0.50 C Sta BS EA(BS EA(Sta Sta	1, EAC TP TC 004 KVAC / 25°C/ 70% RH ndard EN/EN55032 (CIS C TP TC 020 EN/EN55032 (CIS C TP TC 020	SPR32), SPR32),	Test Level / No Class A Class A Test Level / No	ote	contact: criteria	
МС	VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	10 ~ 500Hz, 5G 10 UL62368-1, BS El I/P-O/P:3KVAC I/P-O/P, I/P-FG, O Parameter Conducted Radiated Harmonic Curren Voltage Flicker Parameter ESD	Omin./1cycle, t N/EN62368-1, I/P-FG:2KVAC /P-FG:100M C	AS/NZS62368. C O/P-FG:0.50 C O/P-FG:0.50 Sta BS EA(BS EA(Sta BS EA(BS BS EA(BS BS EA(BS BS BS BS BS BS BS BS	1, EAC TP TC 004 KVAC / 25°C/ 70% RH ndard EN/EN55032 (CIS C TP TC 020 EN/EN55032 (CIS C TP TC 020	SPR32), SPR32),	Test Level / No Class A Class A Test Level / No Level 3, 8KV ai	ote ote r; Level 2, 6KV	contact; criteria	
МС	VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	10 ~ 500Hz, 5G 11 UL62368-1, BS EI I/P-O/P:3KVAC I/P-O/P, I/P-FG, O Parameter Conducted Radiated Harmonic Curren Voltage Flicker Parameter ESD Radiated	Omin./1cycle, t N/EN62368-1, I/P-FG:2KVAC /P-FG:100M C	AS/NZS62368. C O/P-FG:0.50 C O/P-FG:0.50 Sta BS EA(BS EA(Sta BS EA(BS BS BS BS	1, EAC TP TC 004 KVAC / 25°C/ 70% RH ndard EN/EN55032 (CIS C TP TC 020 EN/EN55032 (CIS C TP TC 020	SPR32),	Test Level / No Class A Class A Test Level / No Level 3, 8KV ai Level 3, 10V/m	ote ote r; Level 2, 6KV ; criteria A	contact; criteria	
МС	VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	10 ~ 500Hz, 5G 10 UL62368-1, BS El I/P-O/P:3KVAC I/P-O/P, I/P-FG, O Parameter Conducted Radiated Harmonic Curren Voltage Flicker Parameter ESD	Omin./1cycle, t N/EN62368-1, I/P-FG:2KVAC /P-FG:100M C	AS/NZS62368. C O/P-FG:0.5i Chms / 500VDC Sta BS EA(BS EA(Sta	1, EAC TP TC 004 KVAC / 25°C/ 70% RH ndard EN/EN55032 (CIS C TP TC 020 EN/EN55032 (CIS C TP TC 020 EN/EN61000-4-2 EN/EN61000-4-3 EN/EN61000-4-4	SPR32),	Test Level / No Class A Class A Test Level / No Level 3, 8KV ai Level 3, 10V/m Level 3, 2KV;	ote r; Level 2, 6KV ; criteria A		
ЕМС	VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	10 ~ 500Hz, 5G 11 UL62368-1, BS EI I/P-O/P:3KVAC I/P-O/P, I/P-FG, O Parameter Conducted Radiated Harmonic Curren Voltage Flicker Parameter ESD Radiated	Omin./1cycle, t N/EN62368-1, I/P-FG:2KVAC /P-FG:100M C	AS/NZS62368. C O/P-FG:0.5i Chms / 500VDC Sta BS EA(BS EA(Sta	1, EAC TP TC 004 KVAC / 25°C/ 70% RH ndard EN/EN55032 (CIS C TP TC 020 EN/EN55032 (CIS C TP TC 020	SPR32),	Test Level / No Class A Class A Test Level / No Level 3, 8KV ai Level 3, 10V/m	ote r; Level 2, 6KV ; criteria A		
МС	VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	10 ~ 500Hz, 5G 10 UL62368-1, BS EI I/P-O/P:3KVAC I/P-O/P, I/P-FG, O Parameter Conducted Radiated Harmonic Curren Voltage Flicker Parameter ESD Radiated EFT / Burst	Omin./1cycle, t N/EN62368-1, I/P-FG:2KVAC /P-FG:100M C	AS/NZS62368. C O/P-FG:0.5l Chms / 500VDC Sta BS EA(BS EA(Sta BS BS BS BS	1, EAC TP TC 004 KVAC / 25°C/ 70% RH ndard EN/EN55032 (CIS C TP TC 020 EN/EN55032 (CIS C TP TC 020 EN/EN61000-4-2 EN/EN61000-4-3 EN/EN61000-4-4	SPR32),	Test Level / No Class A Class A Test Level / No Level 3, 8KV ai Level 3, 10V/m Level 3, 2KV;	ote r; Level 2, 6KV ; criteria A criteria A ne-Line; 2KV/L		
МС	VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	10 ~ 500Hz, 5G 10 UL62368-1, BS EI I/P-O/P:3KVAC I/P-O/P, I/P-FG, O Parameter Conducted Radiated Harmonic Curren Voltage Flicker Parameter ESD Radiated EFT / Burst Surge	Omin./1cycle, t N/EN62368-1, I/P-FG:2KVAC /P-FG:100M C	AS/NZS62368. C O/P-FG:0.5l Chms / 500VDC Sta BS EA(BS EA(Sta BS EA(BS	1, EAC TP TC 004 KVAC / 25°C/ 70% RH ndard EN/EN55032 (CIS C TP TC 020 EN/EN55032 (CIS C TP TC 020	SPR32),	Test Level / No Class A Class A Test Level / No Level 3, 8KV ai Level 3, 10V/m Level 3, 2KV; Level 3, 1KV/Li	ote r; Level 2, 6KV; criteria A criteria A ne-Line; 2KV/L		
MC	VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	10 ~ 500Hz, 5G 10 UL62368-1, BS El I/P-O/P:3KVAC I/P-O/P, I/P-FG, O Parameter Conducted Radiated Harmonic Curren Voltage Flicker Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field	Omin./1cycle, to N/EN62368-1, N/EN62368-1, N/P-FG:2KVAC/P-FG:100M C	AS/NZS62368. C O/P-FG:0.50 C O/P-FG:0.50 C Sta BS EAC BS EAC Sta BS EAC BS BS BS BS BS BS BS BS BS	1, EAC TP TC 004 KVAC / 25°C/ 70% RH ndard EN/EN55032 (CIS C TP TC 020 EN/EN55032 (CIS C TP TC 020	SPR32),	Test Level / No Class A Class A Test Level / No Level 3, 8KV ai Level 3, 10V/m Level 3, 2KV; Level 3, 1KV/Li Level 3, 10V; o Level 4, 30A/m	ote r; Level 2, 6KV; criteria A criteria A ne-Line; 2KV/L		
MC Note 4 & 5)	VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF	10 ~ 500Hz, 5G 11 UL62368-1, BS El I/P-O/P:3KVAC I/P-O/P, I/P-FG, O Parameter Conducted Radiated Harmonic Curren Voltage Flicker Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field 1394.9K hrs min.	Omin./1cycle, 6 N/EN62368-1, I/P-FG:2KVAC I/P-FG:100M C	AS/NZS62368. C O/P-FG:0.50 C O/P-FG:0.50 C Sta BS EAC BS EAC Sta BS EAC BS BS BS BS BS BS BS BS BS	1, EAC TP TC 004 KVAC / 25°C/ 70% RH ndard EN/EN55032 (CIS C TP TC 020 EN/EN55032 (CIS C TP TC 020	SPR32),	Test Level / No Class A Class A Test Level / No Level 3, 8KV ai Level 3, 10V/m Level 3, 2KV; Level 3, 1KV/Li Level 3, 10V; or	ote r; Level 2, 6KV; criteria A criteria A ne-Line; 2KV/L		
SAFETY & EMC (Note 4 & 5)	VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	10 ~ 500Hz, 5G 10 UL62368-1, BS El I/P-O/P:3KVAC I/P-O/P, I/P-FG, O Parameter Conducted Radiated Harmonic Curren Voltage Flicker Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field	Omin./1cycle, 6 N/EN62368-1, I/P-FG:2KVAC I/P-FG:100M C	AS/NZS62368. C O/P-FG:0.50 C O/P-FG:0.50 C Sta BS EAC BS EAC Sta BS EAC BS BS BS BS BS BS BS BS BS	1, EAC TP TC 004 KVAC / 25°C/ 70% RH ndard EN/EN55032 (CIS C TP TC 020 EN/EN55032 (CIS C TP TC 020	SPR32),	Test Level / No Class A Class A Test Level / No Level 3, 8KV ai Level 3, 10V/m Level 3, 2KV; Level 3, 1KV/Li Level 3, 10V; o Level 4, 30A/m	ote r; Level 2, 6KV; criteria A criteria A ne-Line; 2KV/L		

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
 Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ F & 47 μ F parallel capacitor.
 Tolerance: includes set up tolerance, line regulation and load regulation.

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

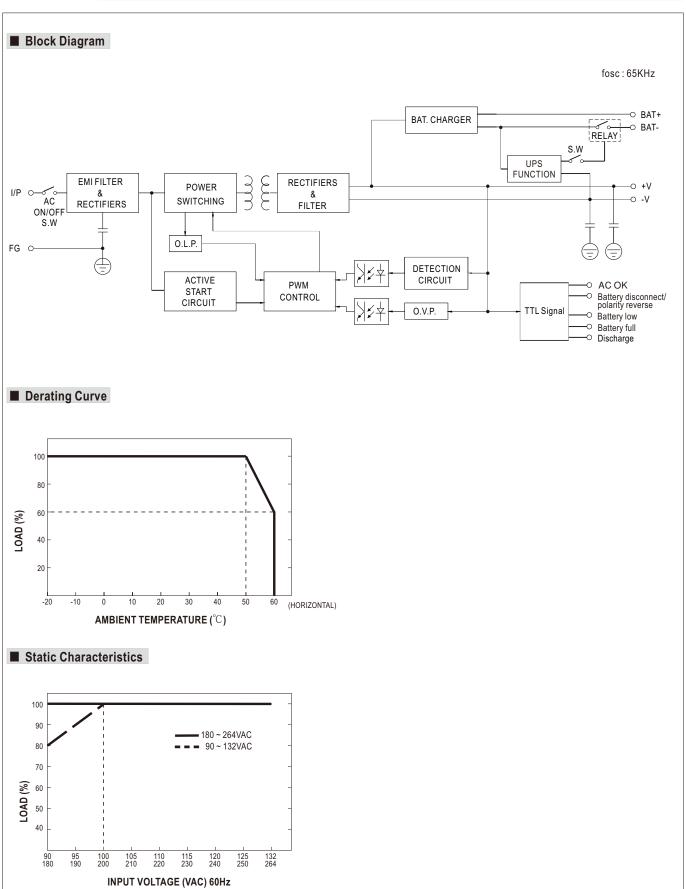
 a) the end-devices is used within the European Union, and
 b) the end-devices is connected to public mains supply with 220Vac or greater rated nominal voltage, and
- - b) the end-devices is connected to public mains supply with 220Vac or greater rated nominal voltage, and c) the power supply is:
 - installed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

NOTE

- Exception:
 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



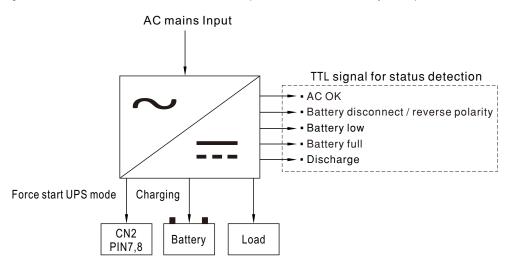




■ Suggested Application

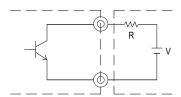
1.DC-UPS function

When AC voltage is abnormal, The UPS function will activate and power source switch battery backup.



2. Function signals by TTL

- 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)

2.1 AC OK: Detection of AC status

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 50V max.)	The signal turns to be "High" when the AC input is abnormal



2.2 Battery Disconnected/Reverse Polarity: Battery status detection

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.





2.3 Battery Low: Battery low detection

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



2.4 Battery Full: Battery full detection

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



2.5 Discharge: Discharge detection

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



2.6 Forced Start: Forced start UPS mode

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

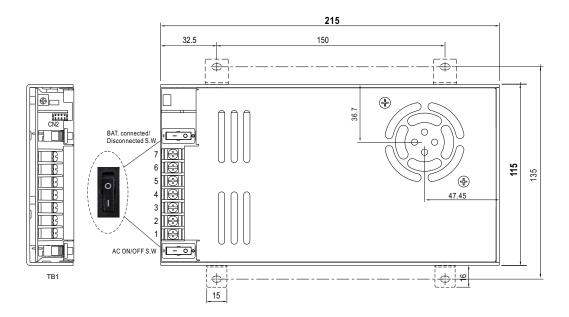


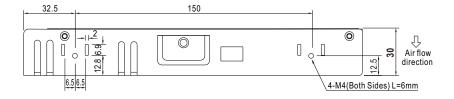


■ Mechanical Specification

(Unit: mm , tolerance ± 1mm)

Case No. 207





※ Connector Pin No. Assignment(CN2)

Pin No.	Assignment(TTL Signal)	Mating Housing	Terminal
1	AC OK		
2	Battery disconnect/ reverse polarity		
3	Battery low	TKD DI IO	TIVE BUT 40(15)
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		

※ 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 +
7	BAT +



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

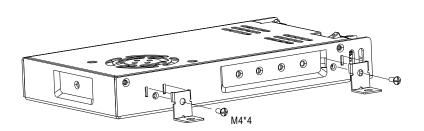
■ Accessory List

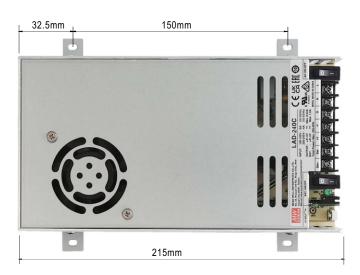
Bracket (Optional accessory, Should ordered seperately)

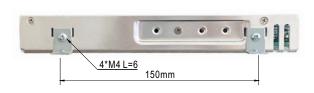
MW's Order No.	Item	Quantity
PGG2MHS012		4pcs/per model



■ Installation Diagram









■ Installation Manual

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