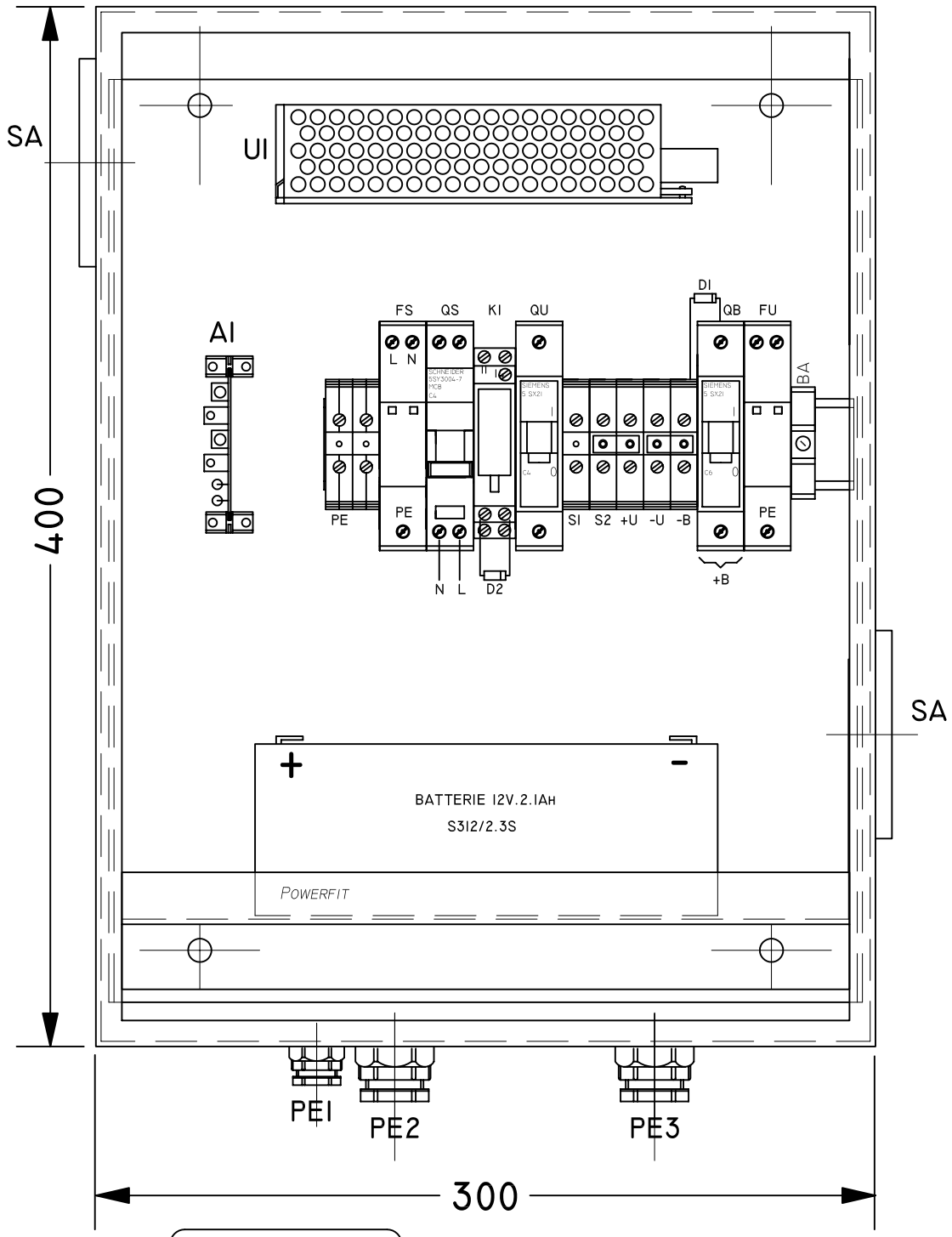




# COFFRET "ALIMENTATION" 48Vdc 100W



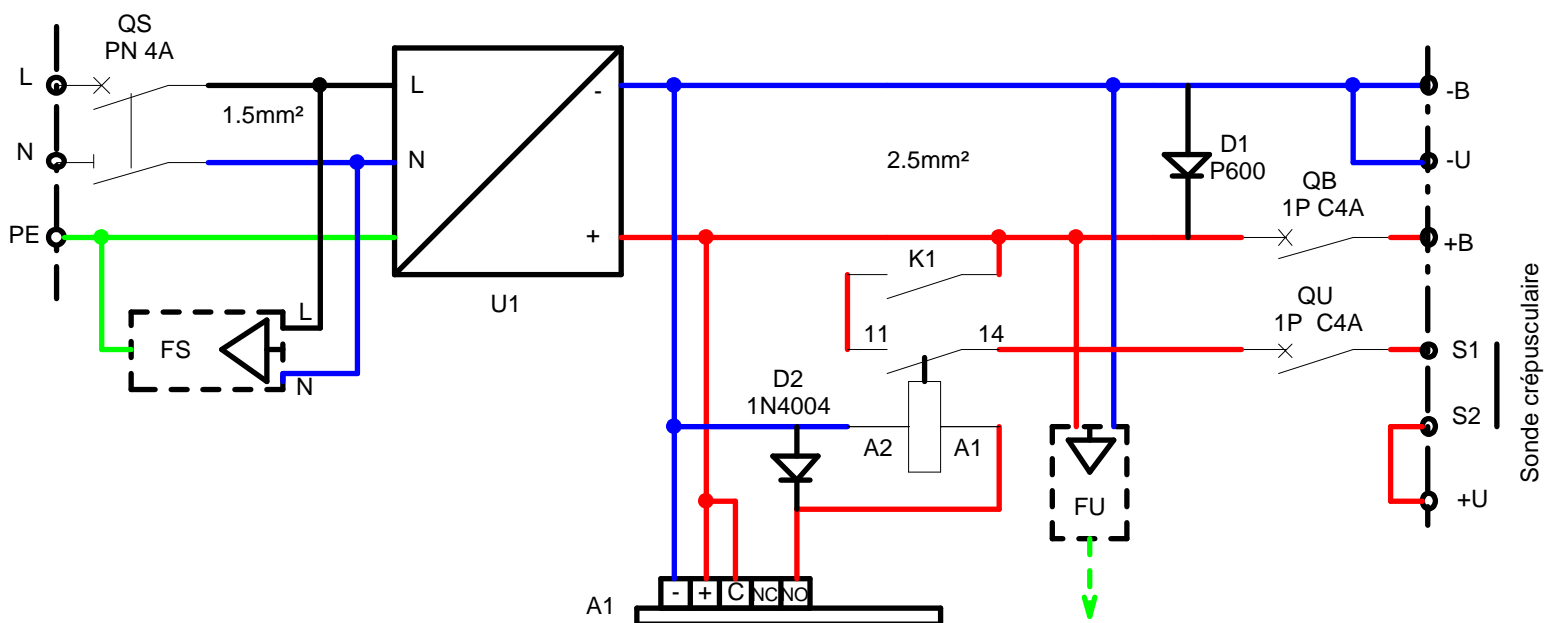
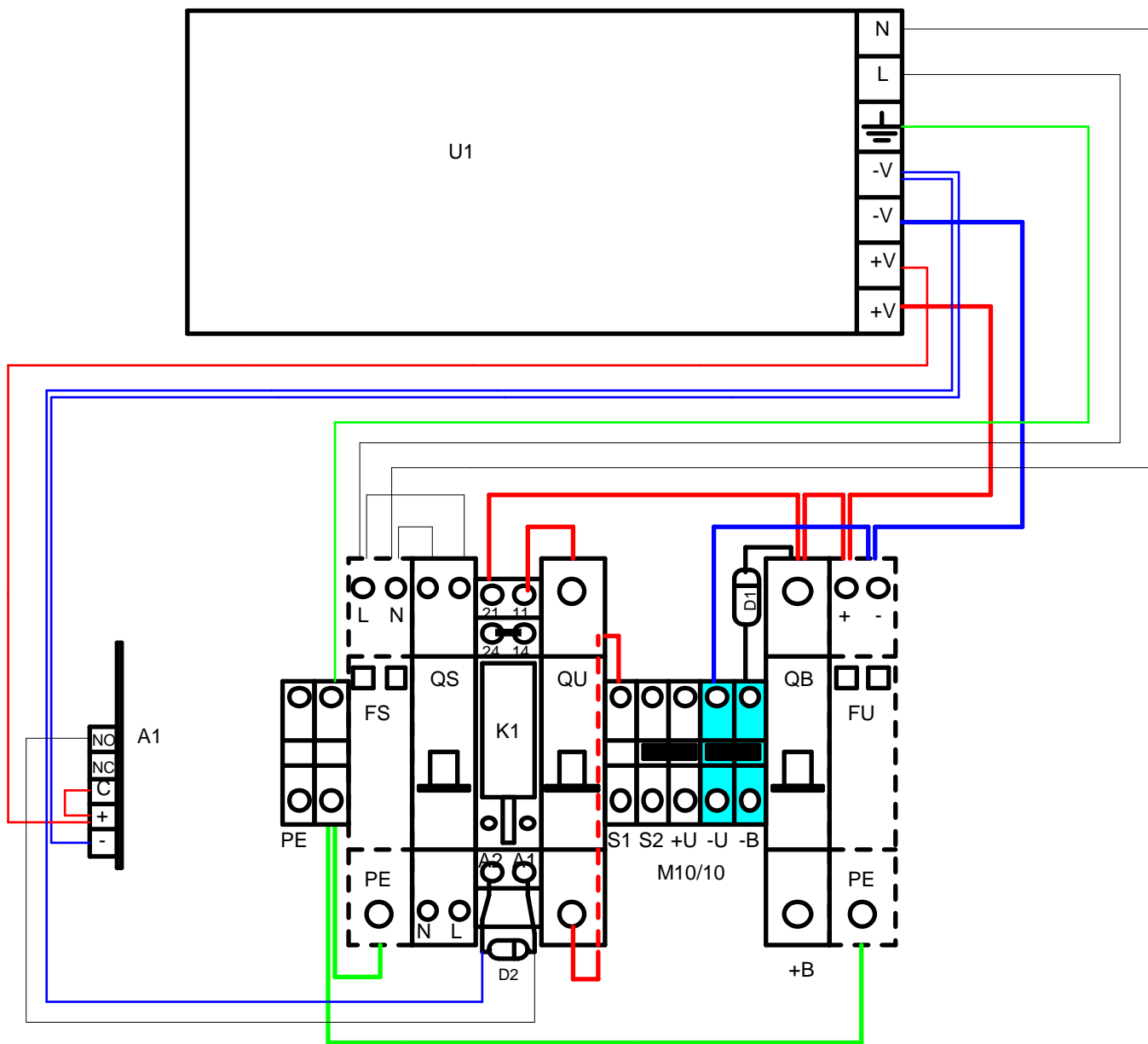
COFFRET "ALIMENTATION"  
 48VDC 100W  
 LONGUEUR:400 MM  
 LARGEUR: 300 MM  
 PROFONDEUR: 230 MM  
 POIDS: 10 Kg

	Ed.1 :	Ed.2 :	Ed.3 :	Ed.4 :	Ed.5 :	E.S :	ECHELLE / SCALE :
MISE À JOUR : UPDATE :	28/10/15					TOLÉRANCE : TOLERANCE : ISO 2768-M	FORMAT : SIZE : <b>A4-V</b>
DESSINÉ PAR : DRAWING BY :	T.BARDOT					FOLIO 1/1	
VÉRIFIÉ PAR : APPROVED BY :	J.CARELLA						

COFFRET "ALIMENTATION" 48VDC 100W

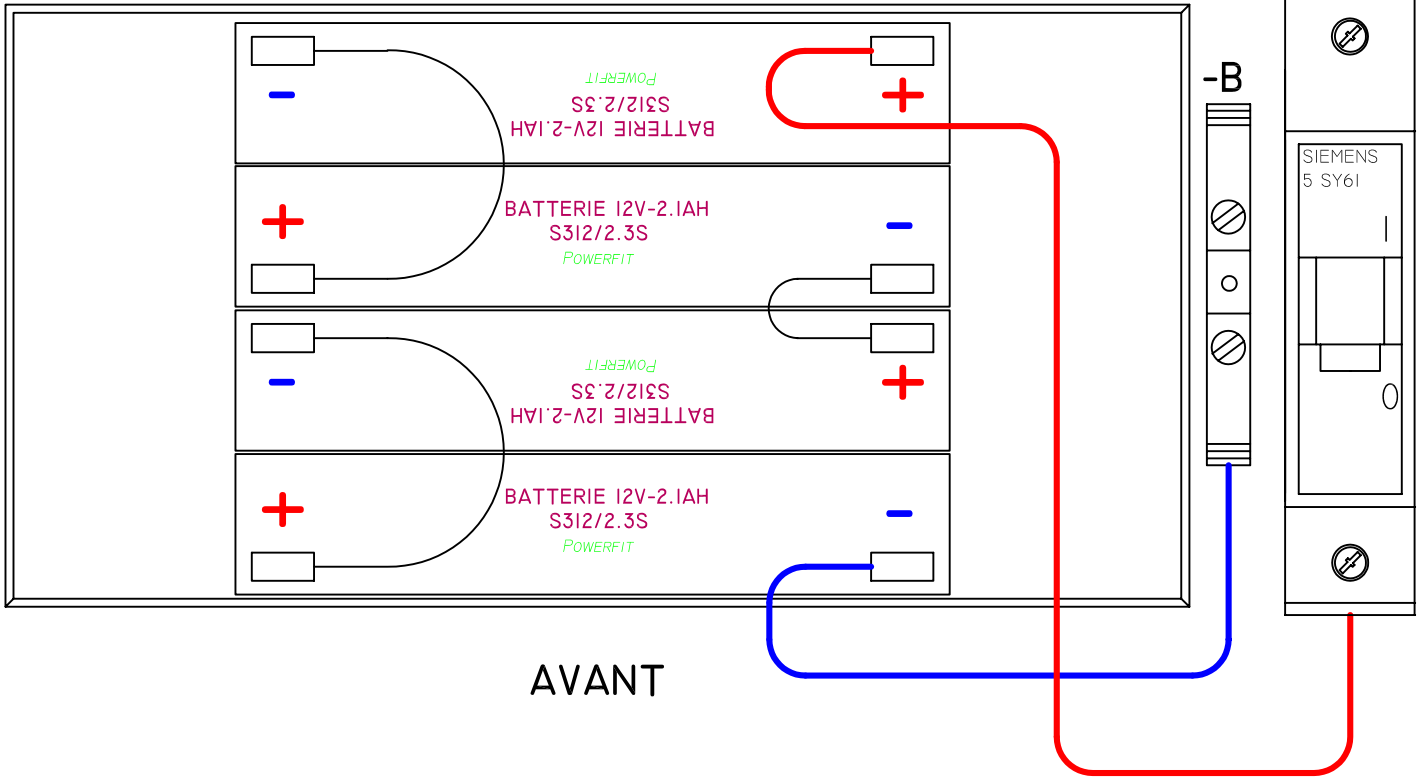


**AS 0339.2 PE1**





	11/06/2014	ALIMENTATION 48V 100W-S-V2
		XXXX

ARRIERE



AVANT

	ED.1 :	ED.2 :	ED.3 :	ED.4 :	ED.5 :	E.S :	ECHELLE / SCALE :
MISE À JOUR : CORRECTION :	08/12/14					TOLÉRANCE : TOLERANCE :	FORMAT : SIZE : A4-V  
DESSINÉ PAR : PREPARED BY :	T.BARDOT					FOLIO	
VÉRIFIÉ PAR : APPROVED BY :	J.CARELLA					1/1	

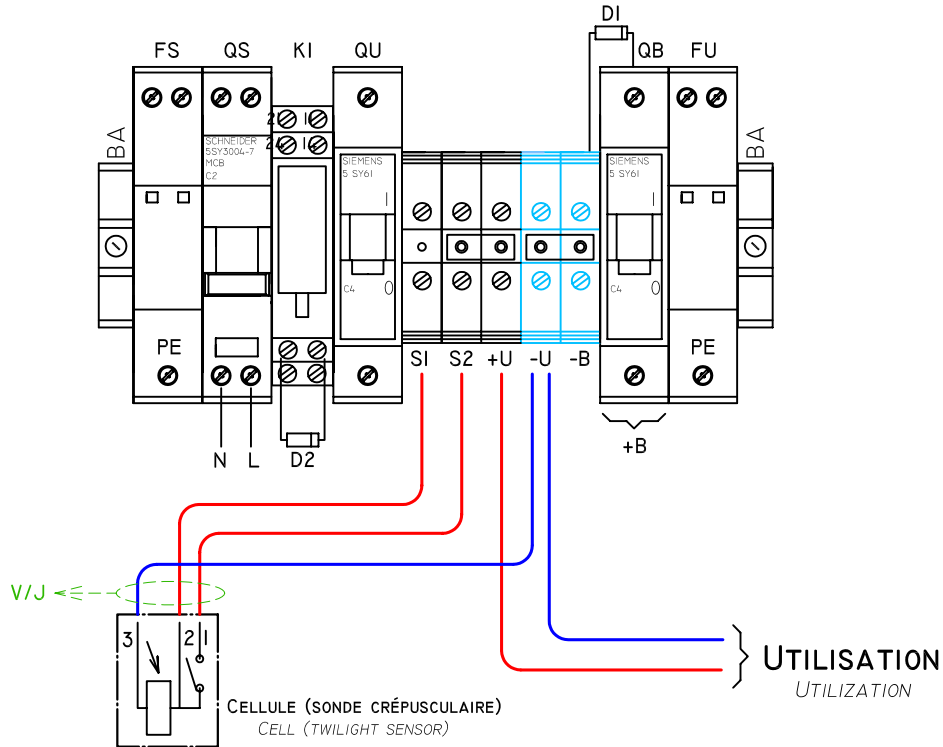
COFFRET "ALIMENTATION" 48Vdc 100W  
CÂBLAGE BATTERIES



AS 0339.1 P2

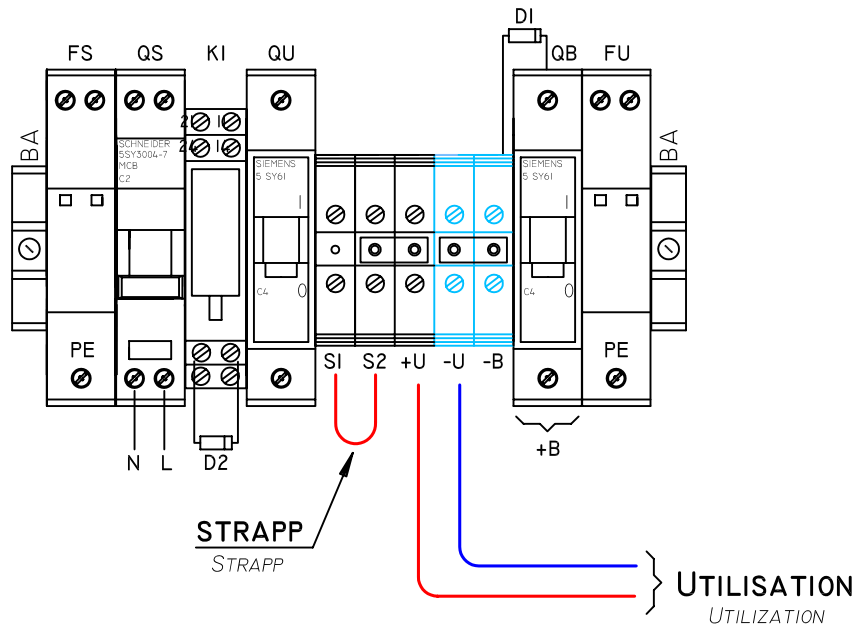
## BRANCHEMENT AVEC SONDE CREPUSCULAIRE

CONNECTION WITH TWILIGHT SENSOR



## BRANCHEMENT SANS SONDE CREPUSCULAIRE

CONNECTION WITHOUT TWILIGHT SENSOR



	Ed.1 :	Ed.2 :	Ed.3 :	Ed.4 :	Ed.5 :	E.S :	ECHELLE / SCALE :
MISE À JOUR : UPDATE :	29/10/14					TOLÉRANCE : TOLERANCE :	ISO 2768-M
DESSINÉ PAR : DRAWING BY :	T.BARDOT					FOLIO	FORMAT : SIZE :
VÉRIFIÉ PAR : APPROVED BY :	J.CARELLA					1/1	A4-V

COFFRET "ALIMENTATION" 48Vdc 100W  
BOX "SUPPLY" 48Vdc 100W



**AS 0339.1 PE2**





# 100W Single Output with PFC Function

# HRP-100 series



### ■ Features :

- Universal AC input / Full range
- Built-in active PFC function
- High efficiency up to 90%
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Overload / Over voltage
- Protections: Over temperature (optional)
- Cooling by free air convection
- 1U low profile 38mm
- Built-in remote ON-OFF control
- No load power consumption<0.5W
- All using 105°C long life electrolytic capacitors
- 5 years warranty

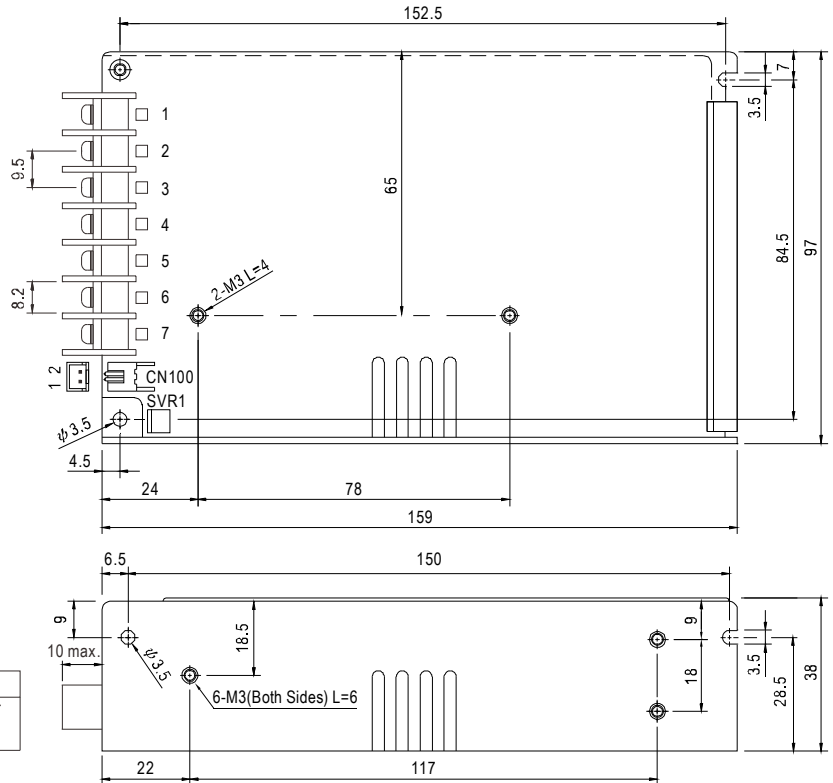


### SPECIFICATION

MODEL		HRP-100-3.3	HRP-100-5	HRP-100-7.5	HRP-100-12	HRP-100-15	HRP-100-24	HRP-100-36	HRP-100-48	
OUTPUT	DC VOLTAGE	3.3V	5V	7.5V	12V	15V	24V	36V	48V	
	RATED CURRENT	20A	17A	13.5A	8.5A	7A	4.5A	2.9A	2.2A	
	CURRENT RANGE	0 ~ 20A	0 ~ 17A	0 ~ 13.5A	0 ~ 8.5A	0 ~ 7A	0 ~ 4.5A	0 ~ 2.9A	0 ~ 2.2A	
	RATED POWER	66W	85W	101.3W	102W	105W	108W	104.4W	105.6W	
	RIPPLE & NOISE (max.) Note.2	80mVp-p	80mVp-p	100mVp-p	120mVp-p	150mVp-p	150mVp-p	200mVp-p	240mVp-p	
	VOLTAGE ADJ. RANGE	3.1 ~ 3.8V	4.75 ~ 5.8V	7.1 ~ 9V	11.4 ~ 13.8V	14.25 ~ 18V	22.8 ~ 28.8V	34.2 ~ 39.6V	45.6 ~ 55.2V	
	VOLTAGE TOLERANCE Note.3	+2.5,-3.5%	±2.5%	±2.5%	±1.5%	±1.5%	±1.5%	±1.5%	±1.5%	
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.3%	±0.3%	±0.2%	±0.2%	±0.2%	
	LOAD REGULATION	±2.0%	±2.0%	±1.5%	±0.8%	±0.8%	±0.5%	±0.5%	±0.5%	
	SETUP, RISE TIME	2500ms, 100ms/230VAC      2500ms, 100ms/115VAC at full load								
HOLD UP TIME (Typ.)	50ms/230VAC      20ms/115VAC at full load									
INPUT	VOLTAGE RANGE Note.5	85 ~ 264VAC      120 ~ 370VDC								
	FREQUENCY RANGE	47 ~ 63Hz								
	POWER FACTOR (Typ.)	PF>0.95/230VAC      PF>0.98/115VAC at full load								
	EFFICIENCY (Typ.)	78%	83%	84%	87.5%	88%	88.5%	89%	90%	
	AC CURRENT (Typ.)	1.1A/115VAC      0.6A/230VAC								
	INRUSH CURRENT (Typ.)	35A/115VAC      65A/230VAC								
	LEAKAGE CURRENT	<1mA / 240VAC								
PROTECTION	OVERLOAD	105 ~ 135% rated output power Protection type : Constant current limiting for Vo=50 ~ 100% of rated voltage, recovers automatically after fault condition is removed								
	OVER VOLTAGE	3.96 ~ 4.62V	6 ~ 7V	9.4 ~ 10.9V	14.4 ~ 16.8V	18.8 ~ 21.8V	30 ~ 34.8V	41.4 ~ 48.6V	57.6 ~ 67.2V	
	OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down Protection type : Shut down o/p voltage, re-power on to recover								
FUNCTION	REMOTE CONTROL	RC+/RC- : 0 ~ 0.8V= power on ; 4 ~ 10V = power off								
ENVIRONMENT	WORKING TEMP.	-40 ~ +60°C (Refer to "Derating Curve")								
	WORKING HUMIDITY	20 ~ 90% RH non-condensing								
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH								
	TEMP. COEFFICIENT	±0.04%/°C (0 ~ 50°C)								
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes								
SAFETY & EMC (Note 4)	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved								
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC    I/P-FG:2KVAC    O/P-FG:0.5KVAC								
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH								
	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3								
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN61000-6-2, heavy industry level, criteria A								
OTHERS	MTBF	295.7K hrs min.    MIL-HDBK-217F (25°C)								
	DIMENSION	159*97*38mm (L*W*H)								
	PACKING	0.56Kg; 24pcs/15Kg/0.76CUFT								
NOTE	<ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</li> <li>3. Tolerance : includes set up tolerance, line regulation and load regulation.</li> <li>4. The power supply is considered a component which will be installed into a final equipment. 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 <a href="http://www.meanwell.com">http://www.meanwell.com</a>)</li> <li>5. Derating may be needed under low input voltages. Please check the derating curve for more details.</li> </ol>									

**Mechanical Specification**

Case No.901I Unit:mm



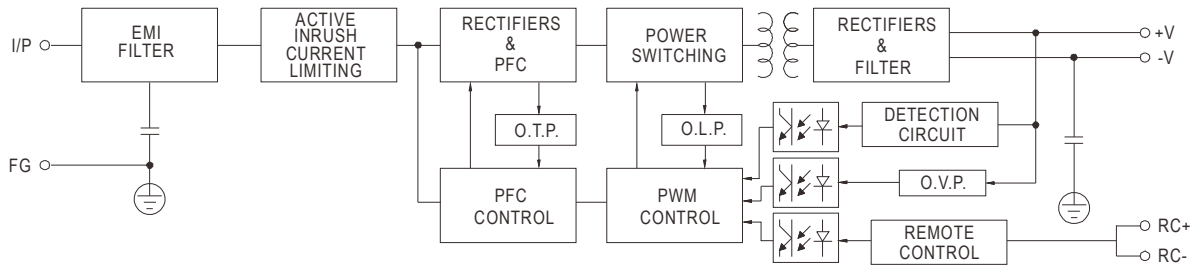
Terminal Pin No. Assignment

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

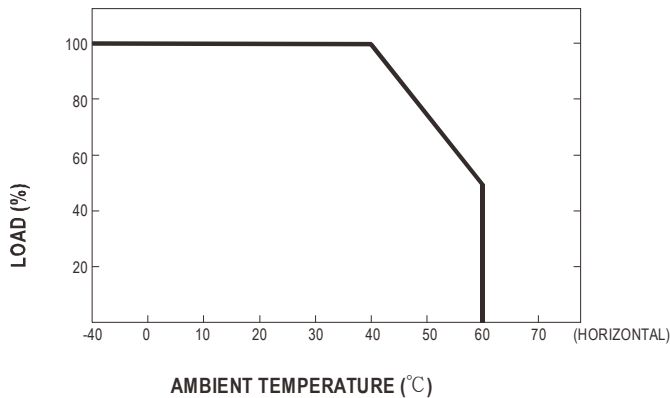
Remote ON/OFF (CN100) : JST B-XH or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1	RC-	JST XHP or equivalent	JST SXH-001T or equivalent
2	RC+		

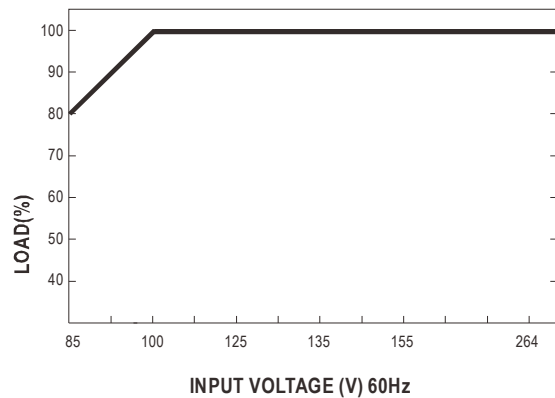
**Block Diagram**



**Derating Curve**



**Output Derating VS Input Voltage**





Industrial Batteries / Network Power

Powerfit S300



»The compact energy package  
 for more security«



## Powerfit S300

The energy source with high performance and all round qualities

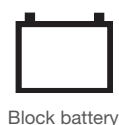
### Specifications:

- > Rechargeable VRLA batteries in which the electrolyte is fixed in a glass mat (with very fine glass fibres)
- > Perfect combination of energy storage performance and reliability
- > Maintenance-free (no topping up) during the whole service life
- > Nominal capacity 1.2 – 38 Ah
- > 5 years design life at 20 °C ambient temperature (80% remaining capacity)
- > Container material conforms to UL 94 V-0
- > Designed in accordance with IEC 60896-21/22
- > Grid plate construction consisting of a lead calcium alloy
- > Low gas emission due to high gas recombination of 99%
- > Low self-discharge rate (about 3% / month at 20 °C)
- > Trouble-free transport of operational blocks, no restrictions for rail, road, sea and air transportation (IATA, DGR clause A67)
- > Completely recyclable

### Technical characteristics and data

Type	Part number	Nom-voltage V	Nom. capacity C <sub>20</sub> 1.75 Vpc 25 °C Ah	C <sub>10</sub> 1.75 Vpc 25 °C Ah	C <sub>1</sub> 1.6 Vpc 25 °C Ah	Length* (l) mm	Width* (b/w) mm	Height* (h) mm	Weight ca. kg	Internal-resistance acc. to IEC 60896-21 mΩ	Max. discharge current f. 5 sec. A	Terminal	VdS approval
S306/1.2 S	NAS30601D2VW0SA	6	1.20	1.15	0.754	97.0	24.0	58.0	0.29	65.0	18.0	S-4.8	
S306/4 S	NAS3060004VW0SA	6	4.50	4.30	2.83	70.0	47.0	106	0.81	25.0	67.5	S-4.8	
S306/7 S	NAS3060007VW0SA	6	7.50	7.16	4.71	151	34.0	100	1.20	15.0	112	S-4.8	
S306/12 S	NAS3060012VW0SA	6	12.0	11.4	7.49	151	51.0	100	1.95	15.0	180	S-4.8	G 112097
S306/12 SR	NAS3060012VW0RA	6	12.0	11.4	7.49	151	51.0	100	1.95	15.0	180	SR-6.3	G 112097
S312/1.2 S	NAS31201D2VW0SA	12	1.20	1.20	0.831	97.0	44.0	58.0	0.60	90.0	18.0	S-4.8	G 112093
S312/2.3 S	NAS31202D3VW0SA	12	2.10	1.90	1.31	178	35.0	66.0	0.96	90.0	31.5	S-4.8	G 112094
S312/3.2 S	NAS31203D2VW0SA	12	3.40	3.20	2.23	134	67.0	67.0	1.35	45.0	51.0	S-4.8	G 112095
S312/4 S	NAS3120004VW0SA	12	4.50	4.30	2.83	90.0	70.0	107	1.45	67.5	40.0	S-4.8	
S312/7 S	NAS3120007VW0SA	12	7.20	6.86	4.49	152	66.0	100	2.50	18.0	108	S-4.8	G 112096
S312/7 SR	NAS3120007VW0RA	12	7.20	6.86	4.49	152	66.0	100	2.50	18.0	108	SR-6.3	G 112096
S312/12 S	NAS3120012VW0SA	12	12.0	11.4	7.49	152	98.0	102	3.80	14.0	180	S-4.8	G 112098
S312/12 SR	NAS3120012VW0RA	12	12.0	11.4	7.49	152	98.0	102	3.80	14.0	180	SR-6.3	G 112098
S312/18 F5	NAS3120018VW0FA	12	18.0	17.2	11.2	182	77.0	168	5.80	16.0	270	F-M5	G 112099
S312/26 F5	NAS3120026VW0FA	12	26.0	24.8	16.2	167	175	125	8.00	14.0	390	F-M5	G 112100
S312/40 F6	NAS3120040VW0FA	12	38.0	36.5	22.0	197	165	170	13.2	10.0	456	F-M6	G 112101

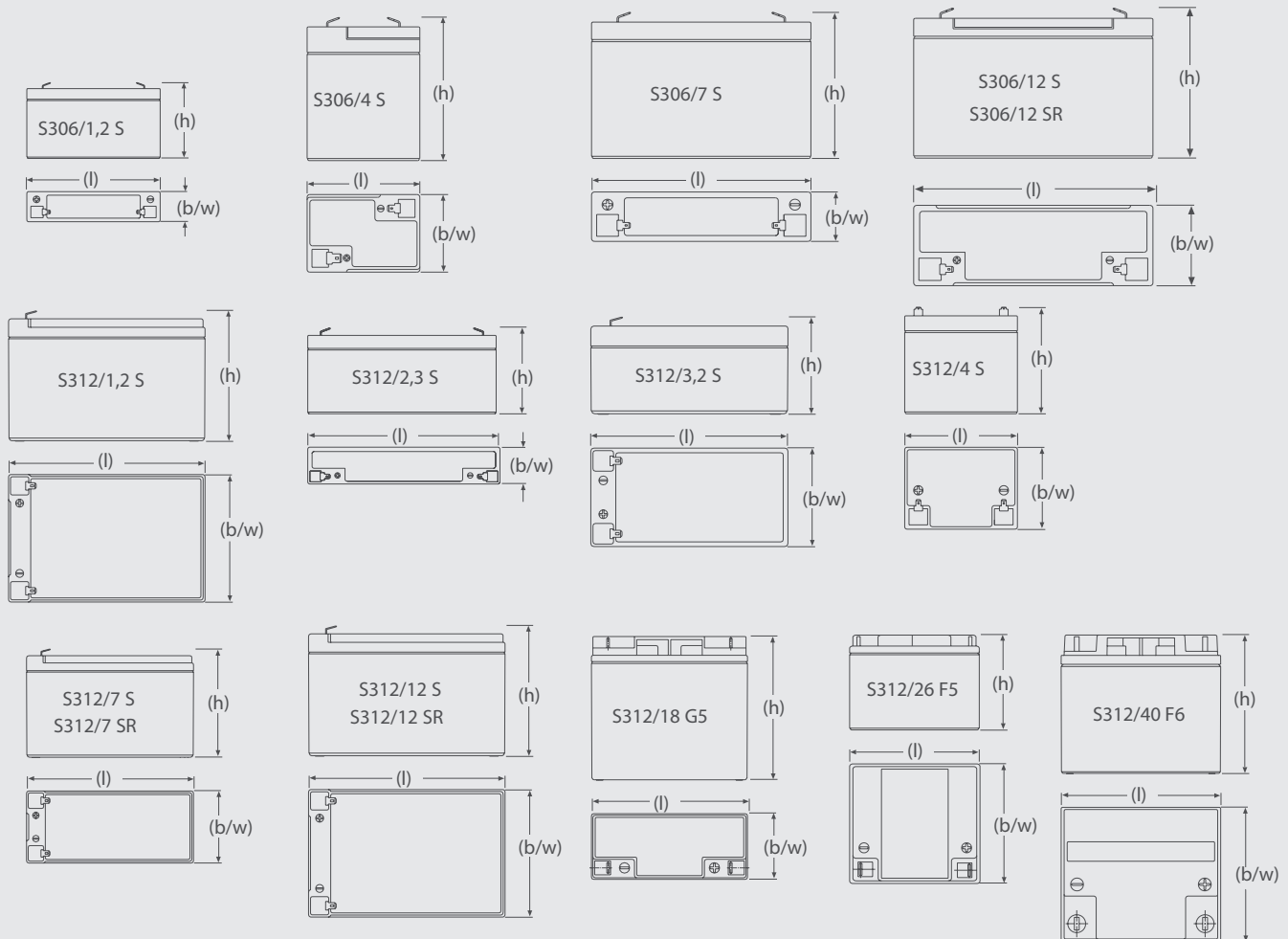
\* ±2 mm



## Powerfit S300

The energy source with high performance and all round qualities

### Dimensions



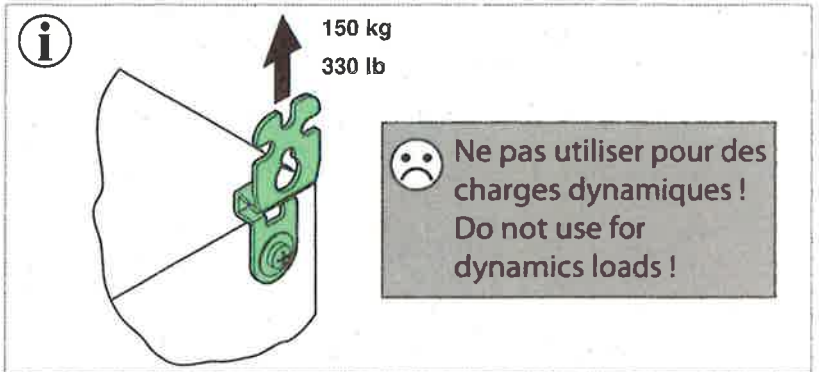
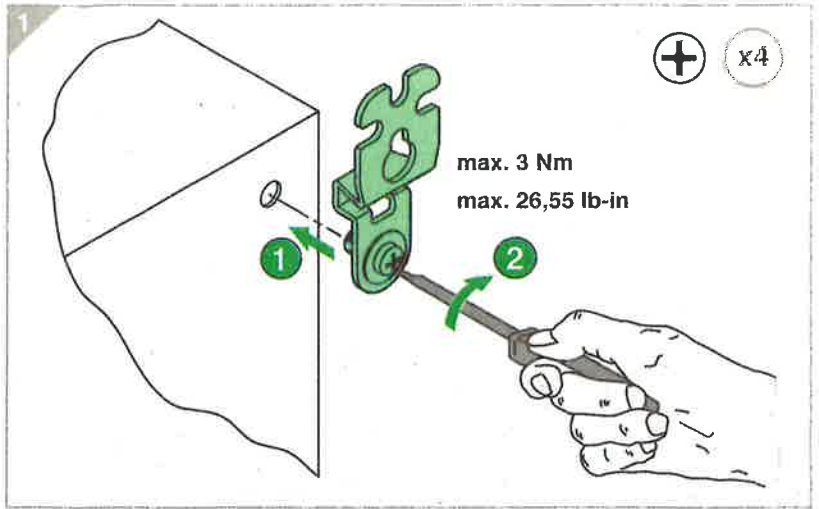
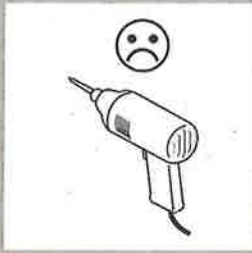
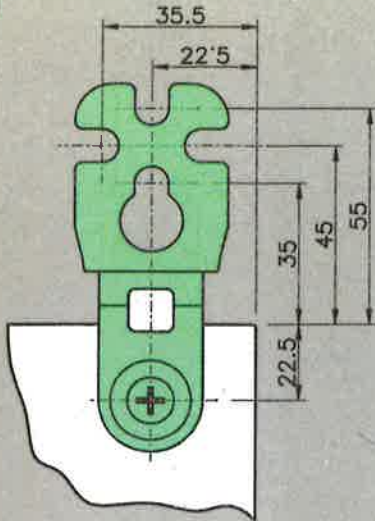
### Container, approval and terminal

- > **Container:** UL 94 V-0 = ABS
- > **Approval:** VdS ( types see left side)



### Applications

In addition to their suitability for general applications in security systems, the Powerfit S300 batteries are a reliable energy source for emergency lighting.

**A****NSYAEFPSC ... NSYAEFPFXSC****A'****NSYAEFPSC ... NSYAEFPFXSC**