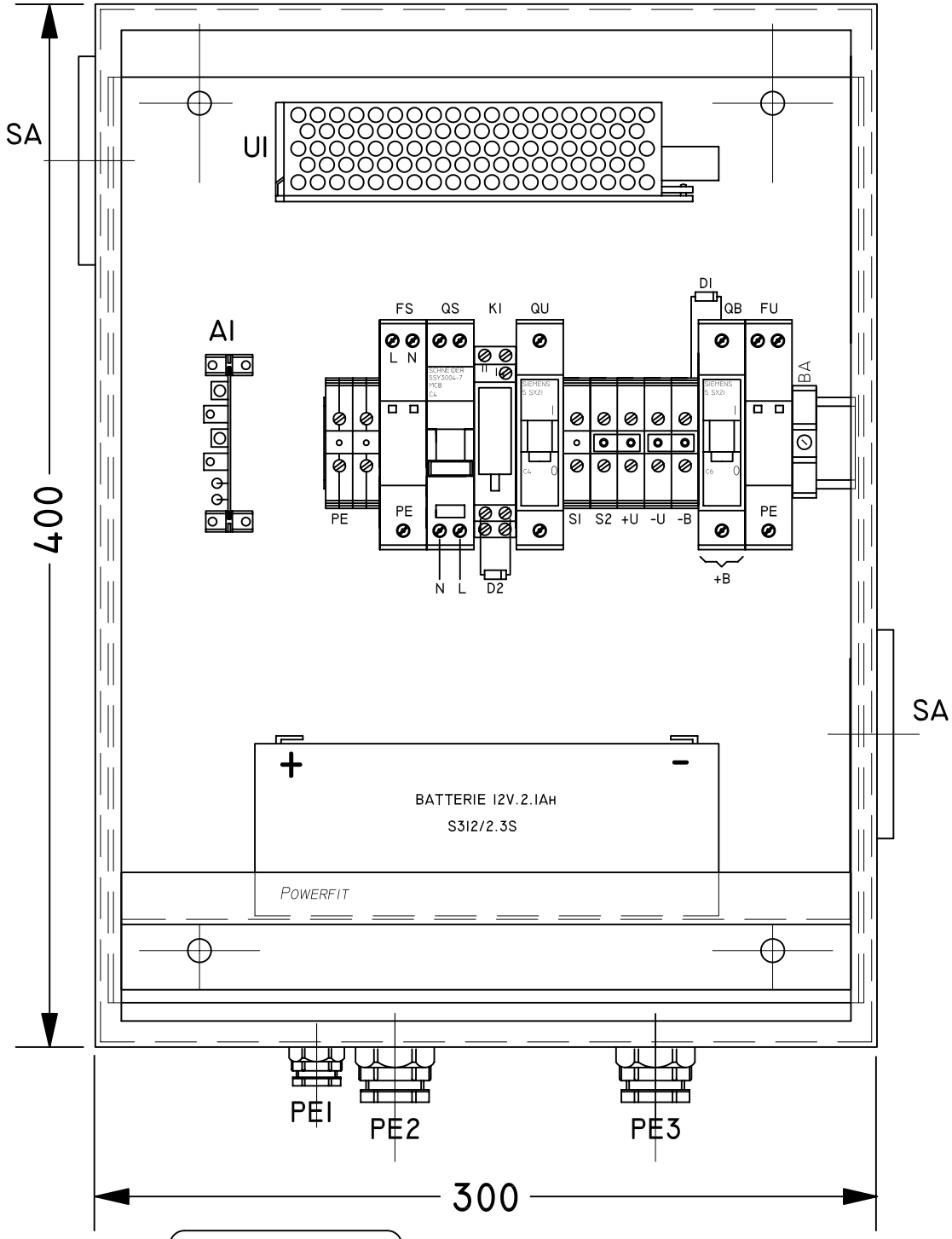
COFFRET "ALIMENTATION" 48Vdc 100W

OBSTA
2 rue Troyon
92316 Sčvres
www.obsta.com

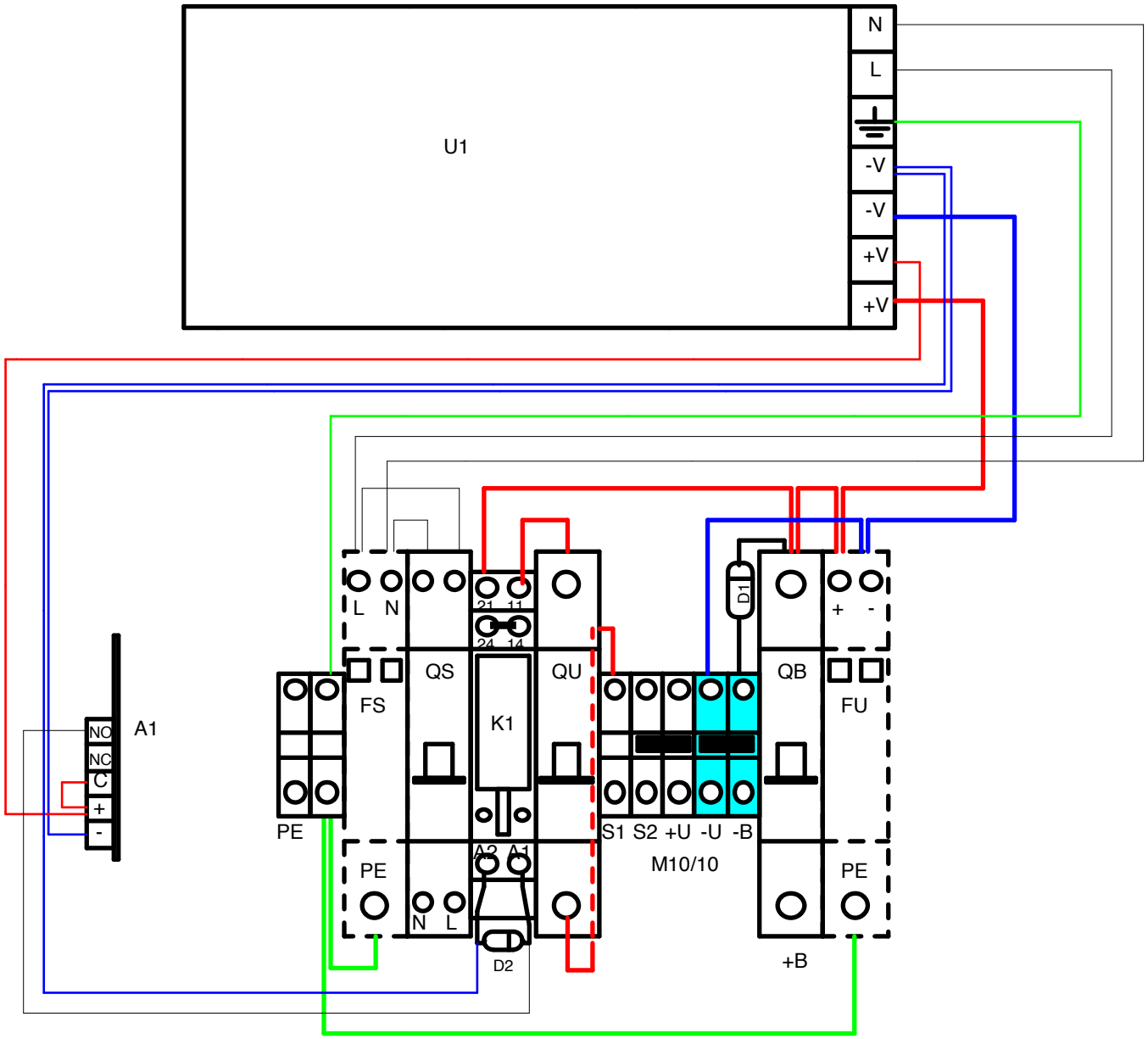


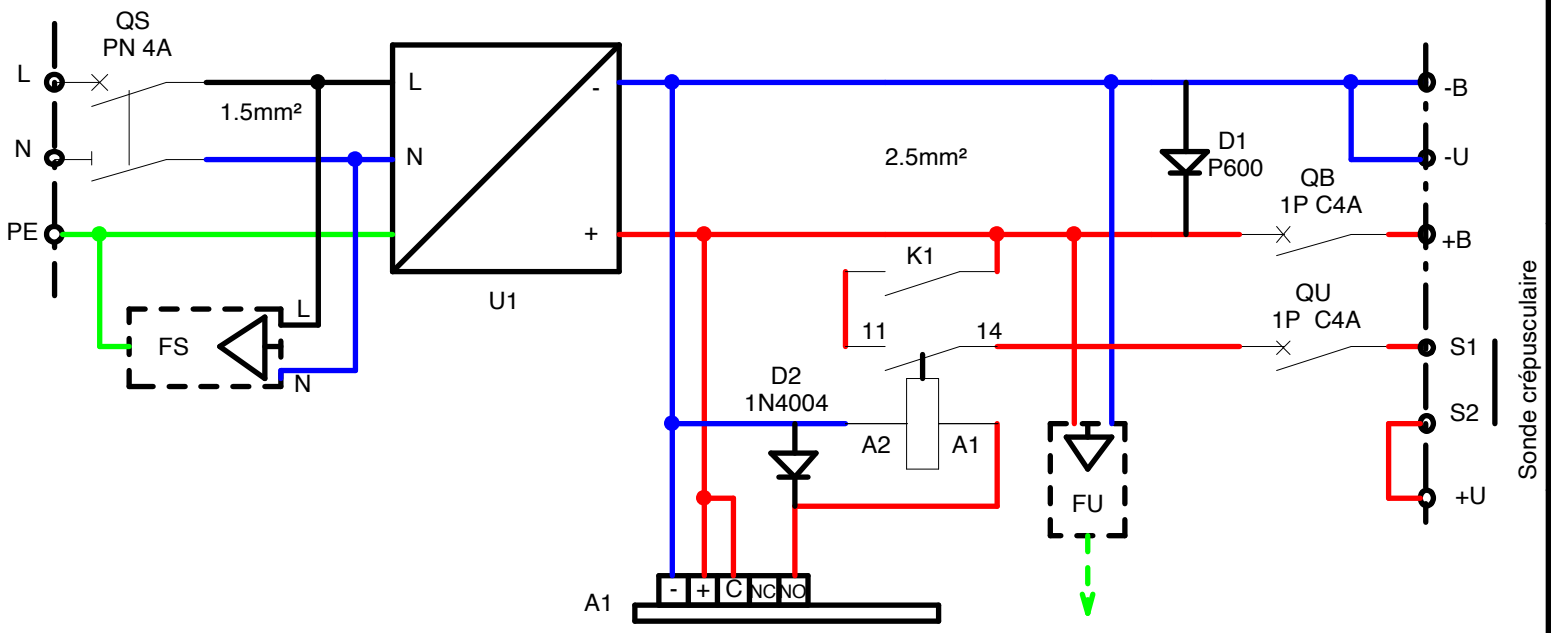
COFFRET "ALIMENTATION"
48VDC 100W
LONGUEUR:400 MM
LARGEUR: 300 MM
PROFONDEUR: 230 MM
POIDS: 10 KG

	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 :* A4-V
DESSINÉ PAR : *DRAWING BY :*	T.BARDOT					FOLIO 1/1	
VÉRIFIÉ PAR : *APPROVED BY :*	J.CARELLA						

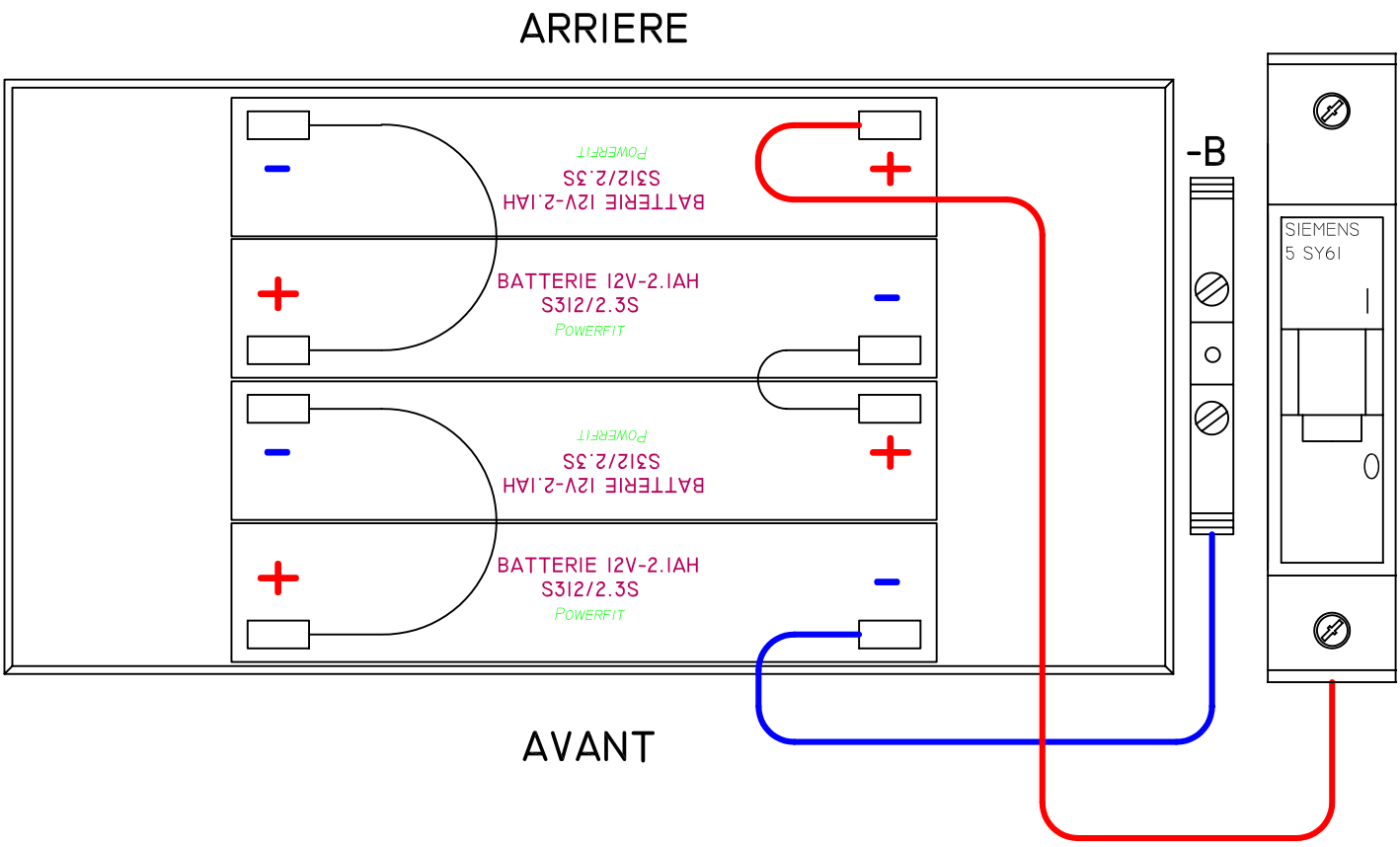
COFFRET "ALIMENTATION" 48VDC 100W

AS 0339.2 PE1





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



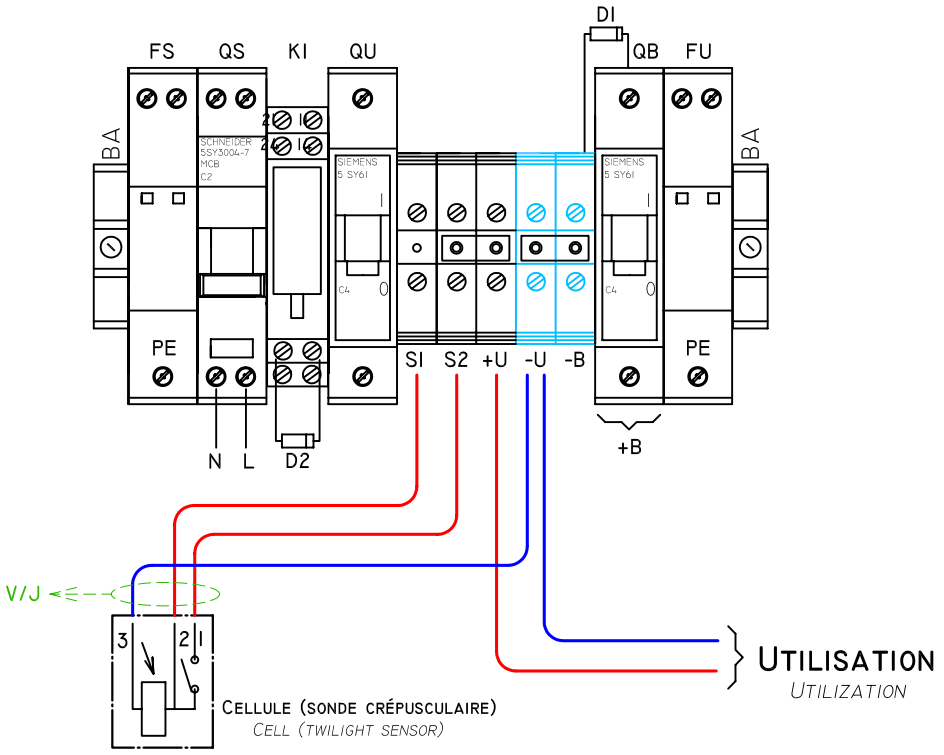
	Ed.1 :	Ed.2 :	Ed.3 :	Ed.4 :	Ed.5 :	E.S :	Echelle / *Scale* :
Mise à jour : *Correction :*	08/12/14					Tolérance : *Tolerance :*	Format *Size :* A4-V
Dessiné par : *Prepared by :*	T.BARDOT					Folio	I/I
Vérifié par : *Approved by :*	J.CARELLA						

Coffret "ALIMENTATION" 48Vdc 100W
Câblage Batteries

AS 0339.1 P2

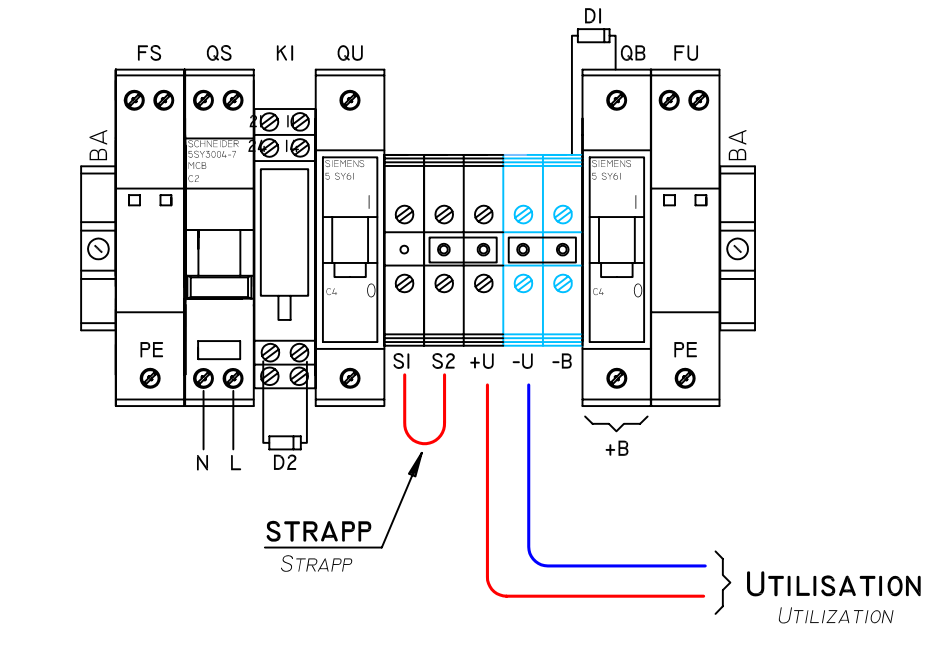
BRANCHEMENT AVEC SONDE CREPUSCULAIRE

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	FORMAT : *SIZE :* A4-V
DESSINÉ PAR : *DRAWING BY :*	T.BARDOT					FOLIO 1/1	
VÉRIFIÉ PAR : *APPROVED BY :*	J.CARELLA						

COFFRET "ALIMENTATION" 48VDC 100W

BOX "SUPPLY" 48VDC 100W

AS 0339.1 PE2

Repère	Nb	Désignation	Rèfèrence	*Designation*	Fournisseur
PE	2	**Borne de masse M6/8**	165 114 17	*Earth Terminal*	ENTRELEC
FS	1	**Parafoudre**	DS215 - 230/G	*Lighting Protection*	CITEL
FU	1	**Parafoudre**	DS230 - 48DC	*Lighting Protection*	CITEL
B	4	**Batterie 12V 2.1Ah**	S312/2.3S	*Battery 12V 2.1Ah*	POWERFIT
	1	**Rail DIN**	35x15 Long. 200 mm	*DIN Rail*	ERICO
D1	1	**Diode**	P600	*Diode*	THOMSON
D2	1	**Diode**	1N4004	*Diode*	THOMSON
K1	1	**Relais**	48Vdc	*Relay*	SCHRACK
U1	1	**Alimentation 48Vdc 100W**	HRP - 100 - 48	*48Vdc 100W Power*	MEAN WELL
A1	1	**Carte Coupure tension basse**	RV 1521-3	*Low voltage Cutoff Card*	OBSTA
QU	1	**Disjoncteur 1P C4**	5SY61 MCB C4	*Circuit breaker C4*	SIEMENS
QB	1	**Disjoncteur 1P C4**	5SY61 MCB C4	*Circuit breaker C4*	SIEMENS
QS	1	**Disjoncteur Ph+N C2**	5SYN3002-7	*Circuit breaker Ph+ N C2*	SCHNEIDER
-U -B	2	**Borne M10/10 N**	125 120 11	*blue terminal 10/10mm²*	ENTRELEC
S1-S2-+U	3	**Borne M10/10**	115 120 17	*terminal 10/10mm²*	ENTRELEC
PE1	1	**Presse étoupe 11**	PG11	*Cable gland 11*	CAPRI
PE2 - PE3	2	**Presse étoupe 13**	PG13	*Cable gland 13*	CAPRI
SA	2	**Ouie d'aération**	87 000	*Ventilation grating*	BRICO
ENV	1	**Coffret NSYS3D4320**	400 x 300 x 230	*Steel box*	SCHNEIDER

MISE A JOUR *UPDATE*	**Ed1 : 28/10/15**	**Ed2 :**	**Ed3 :**	**Ed4 :**	**Ed5 :**	**E.S.**	**FORMAT :** *SIZE :* **A4**
ETABLI PAR: *DRAFT BY:*	**T. BARDOT**					**FOLIO**	
VERIFIE PAR: *APPROVED BY:*	**J. CARELLA**					**1/1**	

COFFRET ALIMENTATION 48Vdc 100W

AS 0339.2 N

MEAN WELL

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℃ long life electrolytic capacitors
- 5 years warranty

SPECIFICATION

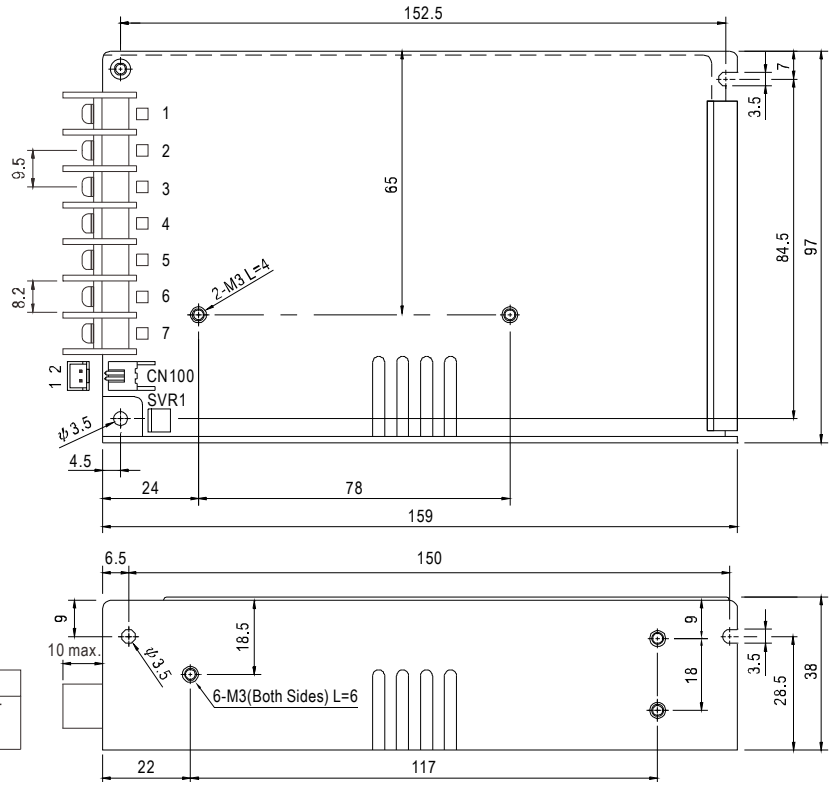
MODEL		HRP-100-3.3	HRP-100-5	HRP-100-7.5	HRP-100-12	HRP-100-15	HRP-100-24	HRP-100-36	HRP-100-48
OUTPUT	DC VOLTAGE	3.3V	5V	7.5V	12V	15V	24V	36V	48V
	RATED CURRENT	20A	17A	13.5A	8.5A	7A	4.5A	2.9A	2.2A
	CURRENT RANGE	0 ~ 20A	0 ~ 17A	0 ~ 13.5A	0 ~ 8.5A	0 ~ 7A	0 ~ 4.5A	0 ~ 2.9A	0 ~ 2.2A
	RATED POWER	66W	85W	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
		Protection type : Shut down o/p voltage, re-power on to recover							
	OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down							
FUNCTION	REMOTE CONTROL	RC+/RC- : 0 ~ 0.8V= power on ; 4 ~ 10V = power off							
ENVIRONMENT	WORKING TEMP.	-40 ~ +60℃ (Refer to "Derating Curve")							
	WORKING HUMIDITY	20 ~ 90% RH non-condensing							
	STORAGE TEMP., HUMIDITY	-40 ~ +85℃, 10 ~ 95% RH							
	TEMP. COEFFICIENT	±0.04%/℃ (0 ~ 50℃)							
	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℃/ 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℃)							
	DIMENSION	159*97*38mm (L*W*H)							
	PACKING	0.56Kg; 24pcs/15Kg/0.76CUFT							

NOTE

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
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. 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 http://www.meanwell.com)
5. Derating may be needed under low input voltages. Please check the derating curve for more details.

■ Mechanical Specification

Case No.901I Unit:mm



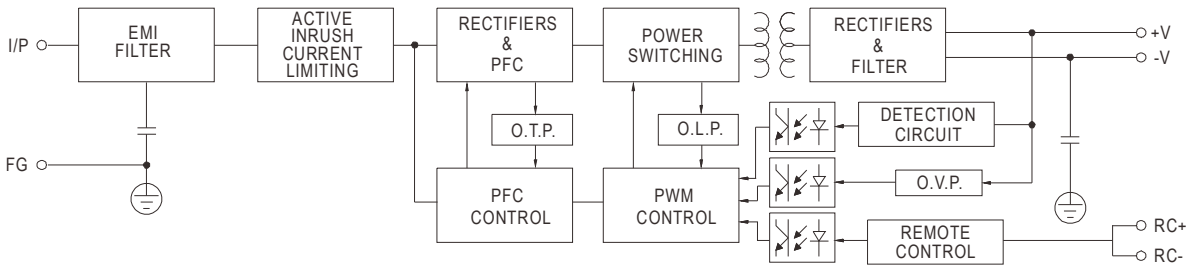
Terminal Pin No. Assignment

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

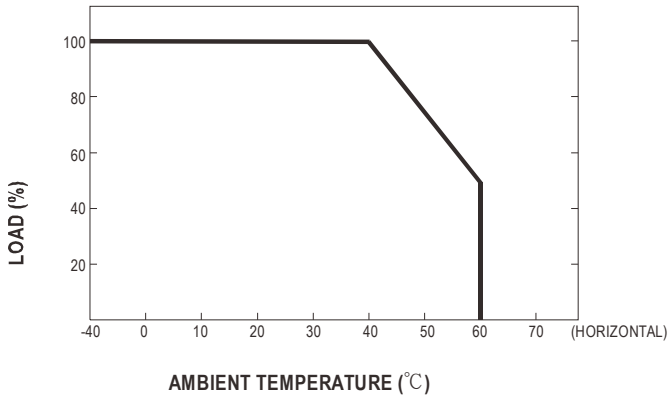
Remote ON/OFF (CN100) : JST B-XH or equivalent

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

■ Block Diagram

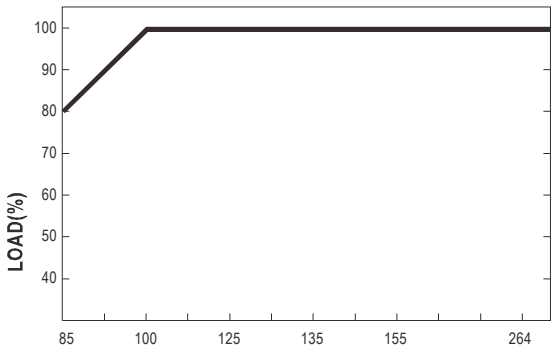


■ Derating Curve



AMBIENT TEMPERATURE (℃)

■ Output Derating VS Input Voltage



INPUT VOLTAGE (V) 60Hz

GNB®
INDUSTRIAL POWER
A Division of Exide Technologies

Industrial Batteries / Network Power

Powerfit S300

»The **compact energy package**
for **more security**«

Powerfit™

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_{20} 1.75 Vpc 25 °C Ah	C_{10} 1.75 Vpc 25 °C Ah	C_1 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	Termi-nal	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

Nominal capacity 1.2 – 38 Ah C_{20}

Block battery

Grid plate

Recyclable

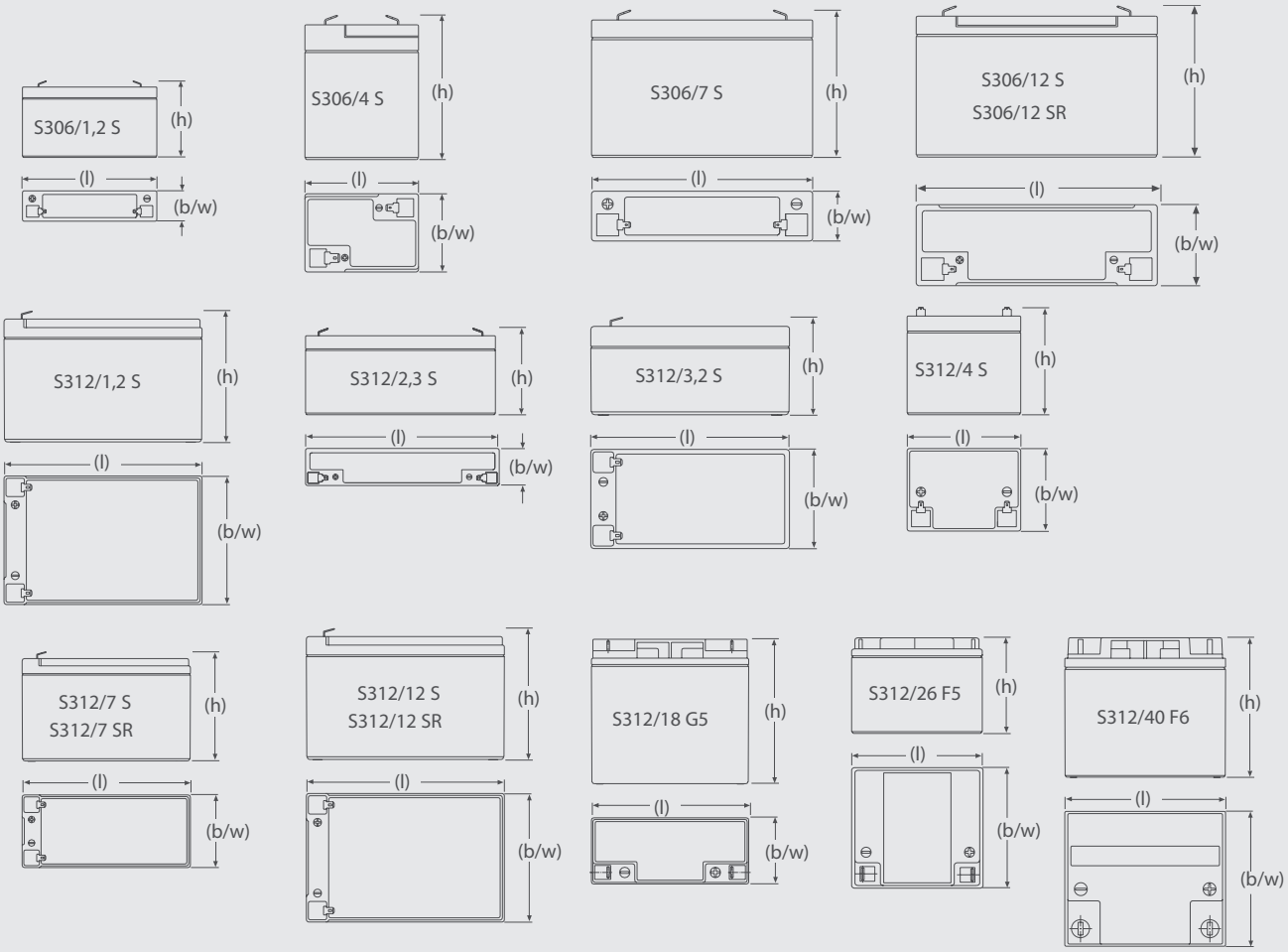
Valve regulated lead-acid batteries

Maintenance-free (no topping up)

Powerfit S300

The energy source with high performance and all round qualities

Dimensions



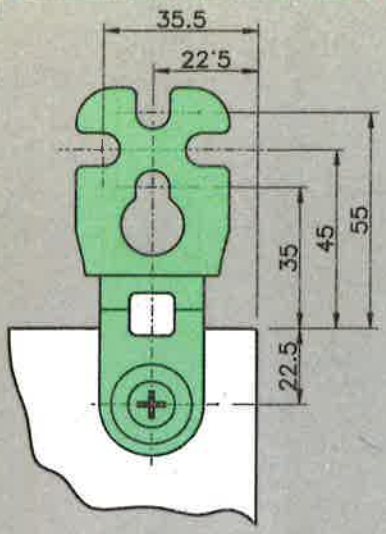
Container, approval and terminal

> 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



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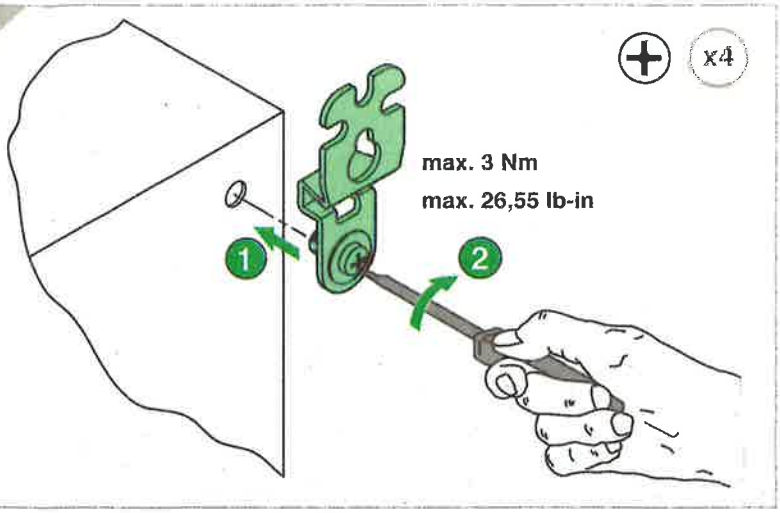
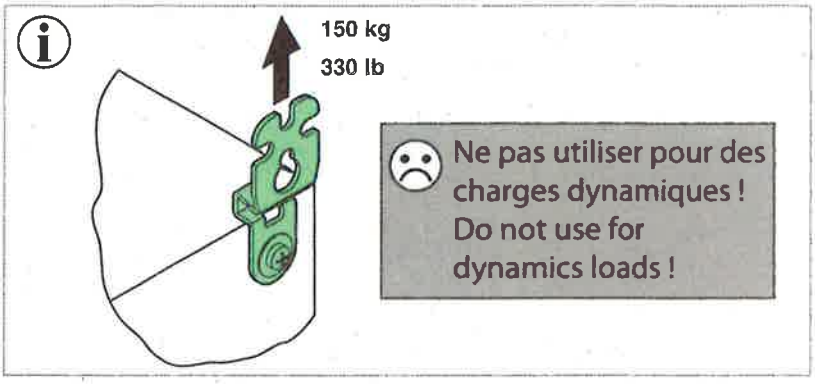
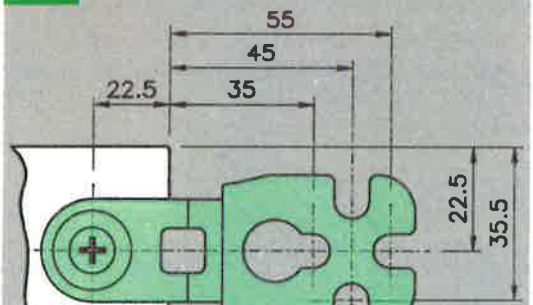




A' NSYAEFPSC ... NSYAEFPFXSC



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