

PRODUCT SHEET - POWER SUPPLY FROM MILLETEKNIK

Product image



Name, article number and e-number

Table 1. Name, article number and email number

Name	Item number	E-number (sv)
Battery Panel 48V	3U010000048BP01	52 135 59

Technical description

Table 2. Quick Facts

Quick Facts	
Supply voltage (V)	[sv] 48 V DC
Voltage out (V)	[sv] 54,6 V DC, (48 V DC)
Batteries ^a	

^aRecommended. If batteries are included, it is indicated, otherwise batteries are ordered separately

Areas of application

Table 3. [sv] Användningsområden

Areas of application	Yes	No
[sv] För att koppla ihop strömförsörjning och batterier.		

Electronics

Table 4. [sv] Elektriska data

[sv] Elektriska data	
[sv] Matningsspänning	[sv] 48 V DC
[sv] Spänning ut	[sv] 54,6 V DC, (48 V DC)

Battery

Table 5. Technical data - Batteries

Battery	
Recommended Batteries ^a	
Battery type	Maintenance-free AGM (lead-acid) batteries.

^aIf batteries are included, it is indicated, otherwise batteries are ordered separately.

Enclosure and Mechanics

Table 6. Enclosure and Mechanics

Enclosure and Mechanics	
Enclosure	
IP class	IP00IP20
Material	Powder coated sheet metal.
Colour	Black
Height units	1
Cable grommets	
Knockout hole	1 pc. on the back.

Enclosure and Mechanics

Lock	✓, 2 pcs. keys included.
Fan in enclosure	X

Assembly, installation and eligibility requirements

Table 7. Fitting

Fitting	[sv] Ja	[sv] Nej
19" rack.	✓	

Table 8. Installation

Installation	Yes	No
Fixed installation.	✓	

Dimensions, weight and packaging information

Table 9. Dimensions

Dimensions, (WxHxD).	Dimensions with packaging ^a .
44 x 244 x 280 mm	110 x 490 x 340 mm

^aDimensions (WxHxD) of product and packaging may differ, this is because the product may be oriented differently in the package.

Table 10. Weight

Net weight	Weight with packaging
2.1 kg	2.4 kg

Table 11. Packaging

Packaging	
Packaging	Cardboard and impact protection in cardboard.
Quantity in pack	1 pc.
Packaging Type (GS1 T0137)	BX box.
Conditions EUR pallet	EUR pallets may not be stacked during transport or storage. Stacking may result in damage to product and packaging.
Transport environment	The product must be protected from condensation and direct precipitation during transportation.
Transport temperature (without battery)	-30 °C to +70 °C
Storage environment	Dry indoor environment, protected from condensation. Relative humidity: max 95%, non-condensing
Storage temperature without batteries	-20 °C to +60 °C

Fits

Table 12. Products that can be used with Battery Panel 24V or Battery Panel 48 V.

Product series	Enclosure size	Comment
EN54 ^a	1U / 2U	Battery shelf required.

^a24 V fits 24 V and 48 V fits 48 V.

About this information

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[SV] COMPLIANCE OCH REGELEFTERLEVNAD

Delivery time, warranty and terms

Table 13. Delivery time, warranty and terms

Delivery time, warranty and terms	
Warranty period ^a	[sv] Produkten har två (2) års garanti mot tillverkningsfel.
Special warranty conditions	Batteries and wear parts are not covered by warranty. See also general terms and conditions.
General Terms and Conditions	ALEM09 with exceptions, see: www.milleteknik.se/conditions/
Support	Telephone support and email support during the warranty period are free of charge. For spare parts that are not covered by warranty, there is a charge
Delivery and stock	
Delivery time ^b	Or as per agreement. Delivery from factory, transportation time is added.

^aIf the device is purchased through a wholesaler or other supplier, other warranty conditions may apply

^bIn the case of larger orders, delivery time increases, acc. to agreement.

Operation and maintenance

Table 14. Operation

Operation	Data	Other. info
Environment	Indoor environmental class 1.	
Operating temperature (recommended)	+15°C to +25°C	For the best battery life. Higher temperatures significantly shorten the life of the batteries.
Operating temperature (permissible) ^a	+5°C to +40°C	Class 1 according to EN 50131-6/ EN 60839-11
Load, power supply	80%	Average load shall not exceed 80% of the rated capacity of the power supply.
Ventilation, free distance around the enclosure.	100 mm	Ventilation openings must not be blocked or covered.

^aSpecifies the permissible ambient temperature range in which the product can operate without damage. See also table on battery life.

Table 15. Maintenance

Yes	No	Interval	Other. info
	✓		Maintenance-free.

Certifications and approvals

Table 16. Approved according to

Complies with	Directives
C.E.	CE marking according to (EC) 765/2008
EMC	EMC Directive 2014/30/EU
Electric (LVD)	Low Voltage Directive: 2014/35/EU

Environmental data

Table 17. Environmental data

Environmental data	J/N	Information	Other. info.
Building Product Declaration (BPD)	✓	Yes, see iBvd at www.milleteknik.se .	-
REACH Information Obligation (EC) No 1907/2006		Yes, see the DoC at www.milleteknik.se . The product complies with REACH Regulation (EC) No 1907/2006.	If empty, the product is not covered.
SVHC Substances, CAS/EC		Yes, lead, 7439-92-1/231-100-4	For text, see iBvd at www.milleteknik.se . If blank, substance is missing.
Subject to the RoHS Directive, (EU) 2015/863		Yes, see the DoC at www.milleteknik.se	
WEEE 2012/19/EU	✓	The product contains electrical components or wiring and is covered by the WEEE Directive (2012/19/EU).	If empty, the product is not covered. End-of-life products must be returned to a recycling centre
Battery Regulation (EU) 2023/1542	X		
SCIP No 2008/98/EC		Yes, registered under the EU Waste Directive where applicable, (2008/98/EC).	If empty, no SCIP number is needed.
Conflict minerals (EU) 2017/821	X/X/X/X	No=Gold, Tungsten, Tantalum, Cobalt, Tin.	
Contains nanomaterials: EC 1272/2008	X	The product does not contain nanomaterials.	-

Environ- mental data	J/N	Informație	Other. in- fo.
Ecodesign 2009/125/ EC		Milleteknik's products are intended for professional use and are therefore not directly covered by the Ecodesign Regulation (EU 2019/1782). As some components may be covered, we nevertheless disclose relevant information ^a , where applicable, to provide our customers with confidence in their choice.	
Machine Directive 2006/42/E C		The product is part of electrical systems, is subject to the relevant electrical and safety directives and is not a machine according to the Machinery Directive (2006/42/EC). Will be replaced by Machinery Regulation (EU) 2023/1230, which will apply in 2027.	
The product is designed for a long service life, which reduces the environmental impact. End-of-life products are handed over to the nearest recycling centre.			

^aStandby consumption and power.



Manufacturer and country of origin

Table 18. Manufacturer and country of origin

Manufacturer and origin	
Manufacturer ^a	Milleteknik AB
Customs State. Nos.	85043180
Country of origin	Sweden

^aManufacturer is the trademark indicated on the product, regardless of what is stated in this product sheet.

[SV] BILAGA

[sv] Behörighetskrav, installation

[sv] Krav på behörighet varierar mellan länder. Tabellen sammanfattar nationella krav för fast installation respektive anslutning av utrustning med stickkontakt.

Table 19. Eligibility requirements by country. Applies only to the installation of this product in a fixed network connection

Permis- sion Re- quire- ments for In- stalla- tion	Fixed instal- lation (230 V)	Plug	Other. info
Sweden	✓	x	Fixed installation may be performed by technicians but shall be under the responsibility of a qualified installer. (Electrical Safety Act, SS 436 40 00) Plug may be connected without authorization.
Norway	✓	✓	Requirements for qualified electricians also for equipment with a plug socket in fixed installations. (NEK 400, DSB)
Finland	✓	x	Plug may be connected without authorization. (Tukes, SFS 6000)
Den- mark	✓	x	Plug may be connected without authorization. (Safety Board)
Germa- ny	✓	x	All fixed installations require a qualified electrician according to VDE 0100. Plug sockets may be connected without authorization, but only by person with basic electrical knowledge ("Elektrotechnisch unterwiesene Person")

[sv] Referenstabell: miljöklasser enligt EN 50130-5 (som hänvisas till i EN 50131-6)

Table 20. Reference table: environmental classes according to EN 50130-5 (referred to in EN 50131-6)

Class	Type	Tempera- ture range
Environmental Class 1	Heated indoors (type of- fice/residence).	+5°C to +40°C
Environmental Class 2	Generally indoors (type warehouses/stairwells, not temperature control- led).	-10°C to +40°C
Environmental class 3	Protected outdoors.	-25°C to +50°C
Environmental class 4	Generally outdoors.	-25°C to +60°C

[sv] Referenstabell: tillverkares angivna livslängd och rekommenderat batteribyte

Table 21. Reference table: manufacturer's stated service life and recommended battery replacement

Battery Type (De- sign Life) ^a	Battery re- placement time in nor- mal opera- tion, +20°C.	Replace- ment dur- ing hot op- eration, +30°C	Replace- ment dur- ing hot op- eration, +40°C
3 - 5 years	2 - 3 years	1 - 1.5 years	0.5 - 0.75 years
6 - 9 years	5 - 6 years	2.5 - 3 years	1.2 - 1.5 years
10 - 12 years	6 - 7 years	3 - 3.5 years	1.5 - 1.75 years
15 + years	10 - 12 years	5 - 6 years	2.5 - 3 years

^aValid in case of completely unused battery stored under optimal conditions.

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