

Data sheet for SINAMICS Power module PM250

Article No. : 6SL3225-0BE33-7AA0

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :



Figure similar

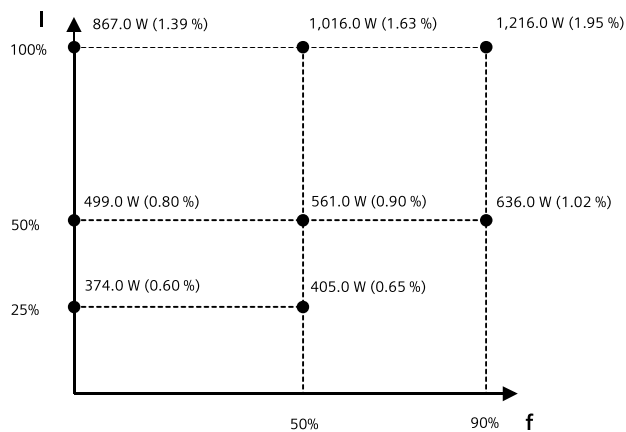
Rated data		
Input		
Number of phases	3 AC	
Line voltage	380 ... 480 V ±10 %	
Line frequency	47 ... 63 Hz	
Rated current (LO)	84.00 A	
Rated current (HO)	70.00 A	
Output		
Number of phases	3 AC	
Rated voltage	400V IEC	480V NEC ¹⁾
Rated power (LO)	45.00 kW	60.00 hp
Rated power (HO)	37.00 kW	50.00 hp
Rated current (LO)	90.00 A	
Rated current (HO)	75.00 A	
Max. output current	150.00 A	
Pulse frequency	4 kHz	
Output frequency for vector control	0 ... 200 Hz	
Output frequency for V/f control	0 ... 550 Hz	
Overload capability		
Low Overload (LO)		
1.1 × rated output current (i.e. 110 % overload) for 57 s with a cycle time of 300 s 1.5 × rated output current (i.e. 150 % overload) for 3 s with a cycle time of 300 s		
High Overload (HO)		
1.5 × output current rating (i.e., 150 % overload) for 57 s with a cycle time of 300 s 2 × output current rating (i.e., 200 % overload) for 3 s with a cycle time of 300 s		
General tech. specifications		
Power factor λ	0.90	
Offset factor cos φ	0.95	
Efficiency η	0.97	
Sound pressure level (1m)	62 dB	
Power loss	1.21 kW	
Filter class (integrated)	Class A	

Ambient conditions	
Cooling	Internal air cooling
Cooling air requirement	0.039 m ³ /s (1.377 ft ³ /s)
Installation altitude	1,000 m (3,280.84 ft)
Ambient temperature	
Operation LO	0 ... 40 °C (32 ... 104 °F)
Operation HO	0 ... 50 °C (32 ... 122 °F)
Transport	-25 ... 55 °C (-13 ... 131 °F)
Storage	-25 ... 55 °C (-13 ... 131 °F)
Relative humidity	
Max. operation	95 % RH, condensation not permitted
Mechanical data	
Degree of protection	IP20 / UL open type
Size	FSE
Net weight	21.00 kg (46.30 lb)
Dimensions	
Width	275 mm (10.83 in)
Height	635 mm (25.00 in)
Depth	204 mm (8.03 in)
Connections	
Line side	
Version	M6 bolt
Conductor cross-section	10.00 ... 50.00 mm ² (AWG 8 ... AWG 1)
Motor end	
Version	M6 bolt
Conductor cross-section	10.00 ... 50.00 mm ² (AWG 8 ... AWG 1)
Max. motor cable length	
Shielded	50 m (164.04 ft)
Unshielded	100 m (328.08 ft)

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Article No. : 6SL3225-0BE33-7AA0

Converter losses to IEC61800-9-2*	
Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	58.95 %



The percentage values show the losses in relation to the rated apparent power of the converter.

The diagram shows the losses for the points (as per standard IEC61800-9-2) of the relative torque generating current (I) over the relative motor stator frequency(f). The values are valid for the basic version of the converter without options/components.

*converted values

Standards	
Compliance with standards	CE, C-Tick (RCM)
CE marking	Low-voltage directive 2006/95/EC

¹⁾The output current and HP ratings are valid for the voltage range 440V-480V

Data sheet for SINAMICS Power module PM250

Article No. : 6SL3225-0BE37-5AA0

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :



Figure similar

Rated data

Input

Number of phases	3 AC
Line voltage	380 ... 480 V $\pm 10\%$
Line frequency	47 ... 63 Hz
Rated current (LO)	166.00 A
Rated current (HO)	135.00 A

Output

Number of phases	3 AC	
Rated voltage	400V IEC	480V NEC ¹⁾
Rated power (LO)	90.00 kW	125.00 hp
Rated power (HO)	75.00 kW	100.00 hp
Rated current (LO)	178.00 A	
Rated current (HO)	145.00 A	
Max. output current	290.00 A	
Pulse frequency	4 kHz	
Output frequency for vector control	0 ... 200 Hz	
Output frequency for V/f control	0 ... 550 Hz	

Overload capability

Low Overload (LO)
1.1 x rated output current (i.e. 110 % overload) for 57 s with a cycle time of 300 s 1.5 x rated output current (i.e. 150 % overload) for 3 s with a cycle time of 300 s
High Overload (HO)
1.5 x output current rating (i.e., 150 % overload) for 57 s with a cycle time of 300 s 2 x output current rating (i.e., 200 % overload) for 3 s with a cycle time of 300 s

General tech. specifications

Power factor λ	0.90
Offset factor $\cos \phi$	0.95
Efficiency η	0.97
Sound pressure level (1m)	65 dB
Power loss	2.31 kW
Filter class (integrated)	Class A

Ambient conditions

Cooling	Internal air cooling
Cooling air requirement	0.117 m ³ /s (4.132 ft ³ /s)
Installation altitude	1,000 m (3,280.84 ft)
Ambient temperature	
Operation LO	0 ... 40 °C (32 ... 104 °F)
Operation HO	0 ... 50 °C (32 ... 122 °F)
Transport	-25 ... 55 °C (-13 ... 131 °F)
Storage	-25 ... 55 °C (-13 ... 131 °F)

Relative humidity

Max. operation	95 % RH, condensation not permitted
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Mechanical data

Degree of protection	IP20 / UL open type
Size	FSF
Net weight	51.00 kg (112.44 lb)
Dimensions	
Width	350 mm (13.78 in)
Height	934 mm (36.77 in)
Depth	316 mm (12.44 in)

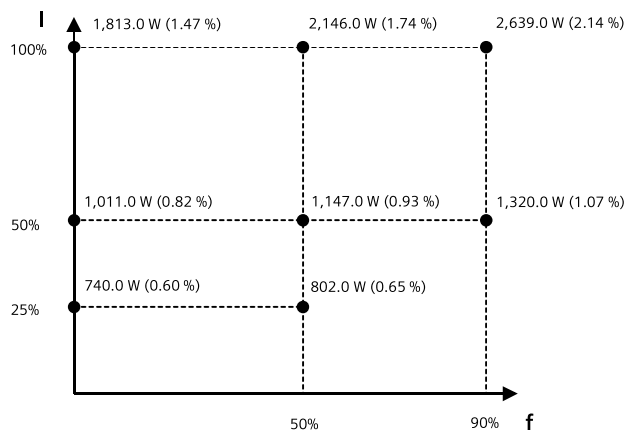
Connections

Line side	
Version	M8 bolt
Conductor cross-section	25.00 ... 120.00 mm ² (AWG 4 ... AWG -3)
Motor end	
Version	M8 bolt
Conductor cross-section	25.00 ... 120.00 mm ² (AWG 4 ... AWG -3)
Max. motor cable length	
Shielded	50 m (164.04 ft)
Unshielded	100 m (328.08 ft)

Data sheet for SINAMICS Power module PM250

Article No. : 6SL3225-0BE37-5AA0

Converter losses to IEC61800-9-2*	
Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	54.08 %



The percentage values show the losses in relation to the rated apparent power of the converter.

The diagram shows the losses for the points (as per standard IEC61800-9-2) of the relative torque generating current (I) over the relative motor stator frequency (f). The values are valid for the basic version of the converter without options/components.

*converted values

Standards	
Compliance with standards	CE, C-Tick (RCM)
CE marking	Low-voltage directive 2006/95/EC

¹⁾The output current and HP ratings are valid for the voltage range 440V-480V

SL-360

Size: AA

› Standard use and stand-by

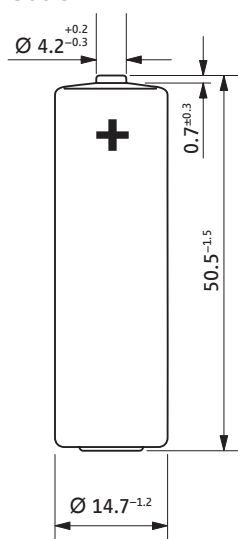
Performance Data

(Typical values for batteries stored at +25 °C for one year)

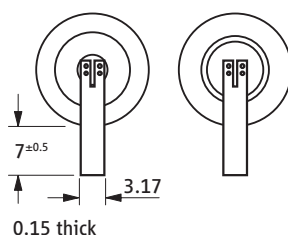
System	Lithium Thionyl Chloride
Nominal voltage	3.6 V
Nominal capacity	2.4 Ah
Nominal current	2 mA
Max. continuous discharge current	20 mA
Anode surface area	14 cm ²
Lithium content	0.65 g
Weight	18 g
Volume	8 cm ³
Temperature range	-55 °C ... +85 °C



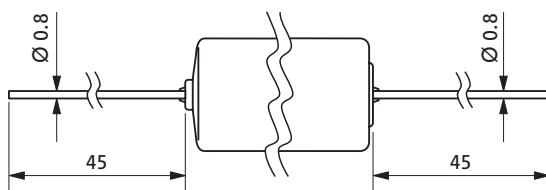
SL-360/S



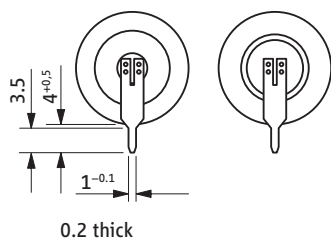
SL-360/T



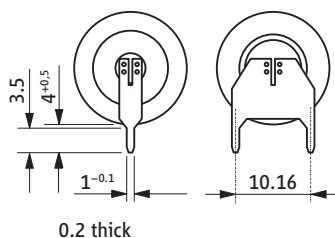
SL-360/P



SL-360/PR



SL-360/PT



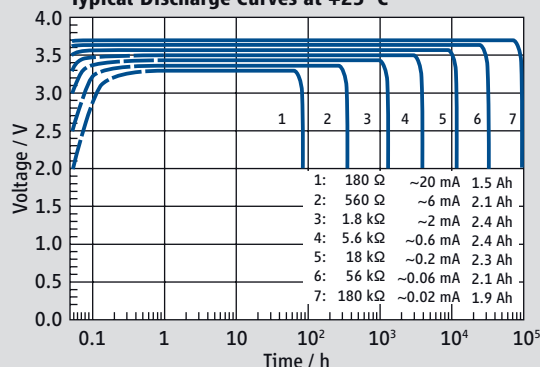
Available Terminations

Termination	Catalogue No.
SL-360/S	Standard
SL-360/T	Tags
SL-360/P	Pins
SL-360/PR	Pins radial
SL-360/PT	Polarized tags

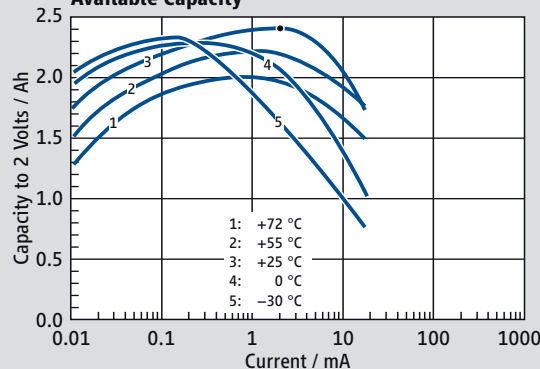
Catalogue No.

WARNING:
 Fire, explosion, and severe burn hazard. Do not recharge, disassemble, heat above 100 °C, incinerate, or expose contents to water.

Typical Discharge Curves at +25 °C



Available Capacity



Operating Voltage

