

High Efficiency ■ High Reliability ■ Low Carbon Footprint

Inverter - Product Family

The PLATINUM inverter product family is the result of an intensive research and development work made by a team of experienced engineers and industrial designers from DIEHL Controls.

With respect to electrical, mechanical and thermodynamic aspects a device family was designed, which operates absolutely reliable, long-term and free of temperature influence even in tough environments. Therefore, these devices are available with a 5 years product guarantee coverage and – subject to a flat rate – even for a 20 years coverage.

By using the principle of the “galvanic isolation” the PLATINUM inverters comply with the highest safety standards and regulatory requirements in terms of personal safety and fire protection. The natural flow of the earth fields remains unchanged within a solar plant with these types of inverters.

Inverters of the PLATINUM series provide a high product quality for a safe investment – for both private and industrial usage.

Take advantage of the software “Solar configurator” for the selection of the PLATINUM inverter, which fits best into your photovoltaic system.



The manufacturing procedures for the electronic devices and controls are certified according to quality and environment standards ISO 9001-2000 and ISO 14001.

All PV inverters are “Made in Germany”; they are compliant to the CE guidelines and all relevant norms.

DIEHL Controls

DIEHL Controls

DIEHL controls is a world leading company of the electronic industry specialized in development and production of industrial control systems.

Innovation & Quality

DIEHL controls sets the benchmark in the development of innovative concepts for electronic systems and devices using profound system Know-How, component selection and cutting-edge technologies in both manufacture and quality control.

Environmental Protection



Environmental protection is a high priority at DIEHL controls. For maintaining this level DIEHL is continuously improving its manufacturing process and optimizes the use of natural resources saving materials. The manufacture of these products is in compliance with RoHS standard and the environment protection standard DIN EN ISO 14001.



For more product details also visit:
<http://www.diehlako.com>
www.akkon-ag.ch

AKKON AG
Sandgrube 29
CH-9050 Appenzell
SWITZERLAND

Tel: +41 71 788 236-0
Fax: +41 71 788 236-9
Email: sales@akkon-ag.ch
Website: www.akkon-ag.ch

PLATINUM series - inverter overview and order list

Product Family	Product Type	Product Description	max. Efficiency (%)	Order ID	Unit
DECENTRAL WITH TRANSFORMER	2100 S	1-phase ENS - 1	94.7		
		with MC4 / DC-disconnector		739 844	
	2100 S	3-phase ENS - 3	94.7		
		with MC4 / DC-disconnector		739 852	
	2800 S	1-phase ENS - 1	94.7		
		with MC4 / DC-disconnector		737 843	
	2800 S	3-phase ENS - 3	94.7		
		with MC4 / DC-disconnector		737 851	
	3100 S	1-phase ENS - 1	95.3		
		with MC4 / DC-disconnector		739 842	
	3100 S	3-phase ENS - 3	95.3		
		with MC4 / DC-disconnector		739 850	
	3800 S	1-phase ENS - 1	95.6		
		with MC4 / DC-disconnector		739 841	
	3800 S	3-phase ENS - 3	95.6		
		with MC4 / DC-disconnector		739 849	
	4300 S	1-phase ENS - 1	95.6		
		with MC4 / DC-disconnector		739 840	
	4300 S	3-phase ENS - 3	95.6		
		with MC4 / DC-disconnector		739 848	
	4301 S	1-phase ENS - 1	94.6		
		with MC4 / DC-disconnector		739 839	
	4301 S	3-phase ENS - 3	94.6		
		with MC4 / DC-disconnector		739 847	
4600 S	1-phase ENS - 1	95.6			
	with MC4 / DC-disconnector		739 838		
4600 S	3-phase ENS - 3	95.6			
	with MC4 / DC-disconnector		739 846		
4601 S	1-phase ENS - 1	94.6			
	with MC4 / DC-disconnector		739 837		
4601 S	3-phase ENS - 3	94.6			
	with MC4 / DC-disconnector		739 845		
ACCESSORIES	Power Blocks				
		Power Block 6-Cell		720 104	
		Power Block 1-STAND		724 376	
		Power Block 1-Wall		724 377	
		Power Block Mounting Set		726 448	

PLATINUM series - inverter overview and order list

Product Family	Product Type	Product Description	max. Efficiency (%)	Order ID	Unit
DECENTRAL TRANSFORMERLESS	4300 TL	1-phase ENS - 1	97.3		
		with MC4 / DC-disconnector		735 573	
	4300 TL	3-phase ENS - 3	97.3		
		with MC4 / DC-disconnector		735 423	
	4800 TL	1-phase ENS - 1	97.4		
		with MC4 / DC-disconnector		735 572	
	4800 TL	3-phase ENS - 3	97.4		
		with MC4 / DC-disconnector		735 422	
	5300 TL	1-phase ENS - 1	97.4		
		with MC4 / DC-disconnector		735 571	
	5300 TL	3-phase ENS - 3	97.4		
		with MC4 / DC-disconnector		735 421	
	6300 TL	1-phase ENS - 1	97.7		
		with MC4 / DC-disconnector		735 570	
	6300 TL	3-phase ENS - 3	97.7		
		with MC4 / DC-disconnector		735 420	
	7200 TL	1-phase ENS - 1	98.0		
		with MC4 / DC-disconnector		735 569	
7200 TL	3-phase ENS - 3	98.0			
	with MC4 / DC-disconnector		735 419		

PLATINUM series - inverter overview and order list

Product Family	Product Type	Product Description	max. Efficiency (%)	Order ID	Unit
DECENTRAL TRANSFORMERLESS	13000 TL	3-phase ENS - 3	97.3		
		with MC4 / DC-disconnector		737 772	
	16000 TL	3-phase ENS - 3	97.4		
		with MC4 / DC-disconnector		737 784	
	19000 TL	3-phase ENS - 3	97.7		
		with MC4 / DC-disconnector		737 786	
	22000 TL	3-phase ENS - 3	98.0		
		with MC4 / DC-disconnector		737 788	
	13000 TL Stand	3-phase ENS - 3	97.3		
		with MC4 / DC-disconnector		740 490	
	16000 TL Stand	3-phase ENS - 3	97.4		
		with MC4 / DC-disconnector		740 492	
	19000 TL Stand	3-phase ENS - 3	97.7		
		with MC4 / DC-disconnector		740 494	
	22000 TL Stand	3-phase ENS - 3	98.0		
		with MC4 / DC-disconnector		740 496	
	13000 TL Outdoor	3-phase ENS - 3	97.3		
		with MC4 / DC-disconnector		740 498	
	16000 TL Outdoor	3-phase ENS - 3	97.4		
		with MC4 / DC-disconnector		740 501	
	19000 TL Outdoor	3-phase ENS - 3	97.7		
		with MC4 / DC-disconnector		740 503	
	22000 TL Outdoor	3-phase ENS - 3	98.0		
		with MC4 / DC-disconnector		740505	
11000 TL3	3-phase ENS - 3	98.0			
	with MC4 / DC-disconnector		738 427		
13000 TL3	3-phase ENS - 3	98.0			
	with MC4 / DC-disconnector		738 428		
17000 TL3	3-phase ENS - 3	98.0			
	with MC4 / DC-disconnector		738 429		

PLATINUM series - inverter overview and order list

Product Family	Product Type	Product Description	max. Efficiency (%)	Order ID	Unit	
CENTRAL	100 CS-EU-DC	AC-Output 3 x 400V with DC-disconnector	>96.0			
		Germany		738 835		
		Italy		744 513		
		Belgium		744 514		
		Czech Republic		744 515		
		France		744 516		
		Bulgaria		744 517		
		Spain		744 518		
		100 CTL-EU-DC*	AC-Output 3 x 220V IT-network with DC-disconnector	>97.0		
		*Transformerless	Germany		738 836	
			Italy		744 519	
			Belgium		744 520	
			Czech Republic		744 521	
			France		744 522	
		Bulgaria		744 523		
		Spain		744 524		
ACCESSORIES FOR CENTRAL	Monitoring String-Box					
		Max. Input 16 Strings		739 538		
	Grounding Kit CS					
		Positive pole grounded		744 525		
		Negative pole grounded		744 526		
	Synchronisation-Kit for 100CTL					
		Synchro-Master 1x per Inverter group		744 527		
		Synchro-Slave for additional Inverters		744 528		
Synchronisation Accessories						
	Synchronisation-Cable		744 583			

PLATINUM series - inverter overview and order list

Product Family	Product Type	Product Description	Order ID	Unit
ACCESSORIES GENERAL	Monitoring			
		Webmaster for DSL/LAN	713 757	
		Webmaster + Analog-Modem	720 041	
		Webmaster + ISDN-Modem	720 042	
		Webmaster + GSM-Modem	720 043	
		PV-Monitor	717 521	
		Viewmaster Classic	716 733	
		PowerCommander	740 324	
		PowerCommanderPackage	740 327	
		SensorKit, polycristalin	740 328	
		SensorKit, cristalin	740 329	
		SensorKit, amorph	740 330	
		PhaseBalancer-Cable	739 162	
		SolarPortal	740 331	
	Monitoring - Connection Box			
WARRANTY	Guarantee Extension			
		For 1-phase Inverter to 20 Years	< 5,3 kW	
		For 1-phase Inverter to 20 Years	> 5,3 kW	
		For 1-phase Inverter to 10 Years	< 5,3 kW	
		For 1-phase Inverter to 10 Years	> 5,3 kW	
		For 3-phase TL-Inverter to 20 Years	< 16 kW	
		For 3-phase TL-Inverter to 20 Years	> 16 kW	
		For 3-phase TL-Inverter to 10 Years	< 16 kW	
		For 3-phase TL-Inverter to 10 Years	> 16 kW	
		For 3-phase TL3-Inverter to 10 Years	11-13 kW	
	For 3-phase TL3-Inverter to 10 Years	17-20 kW		

Interactive PDF inquiry form:

Date: P.O. Nr.:

Name:

Surname:

Function / Title:

Company Name:

Address:

City: State:

ZIP or Post Code:

Country:

Phone:

Fax:

E-mail:

Submit

Ship to:

Delivery Date:

P.O. Number:

Customer ID:

Name:

Company Name:

Address:

City: State:

ZIP or Post Code:

Country:

Comments