

DIEHL

AKO



PLATINUM

POWER BLOCK



Configurable compound inverter for outdoor application

PLATINUM POWER BLOCK

The smart alternative to the central inverter

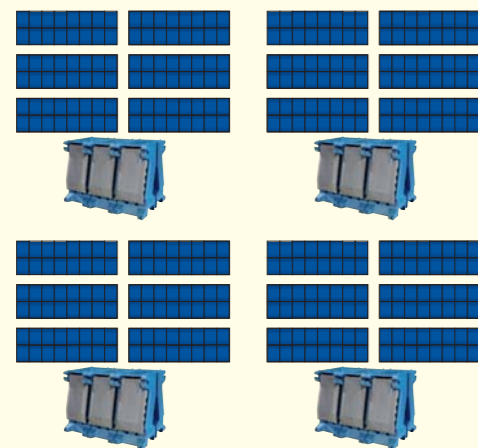
Clustered power units form the 3-phase compound inverter.

The Power Block protection system is especially designed for rough outdoor conditions.

Because of its compact design and the functional colouring, the Power Block can be placed inconspicuously in the terrain.

In the Power Block compound in case of inverter failure, unbalanced phases will be avoided by a optional PLATINUM PhaseBalancer Kabel.

In every inverter, an independent MPP-tracker permanently optimizes your financial earnings.



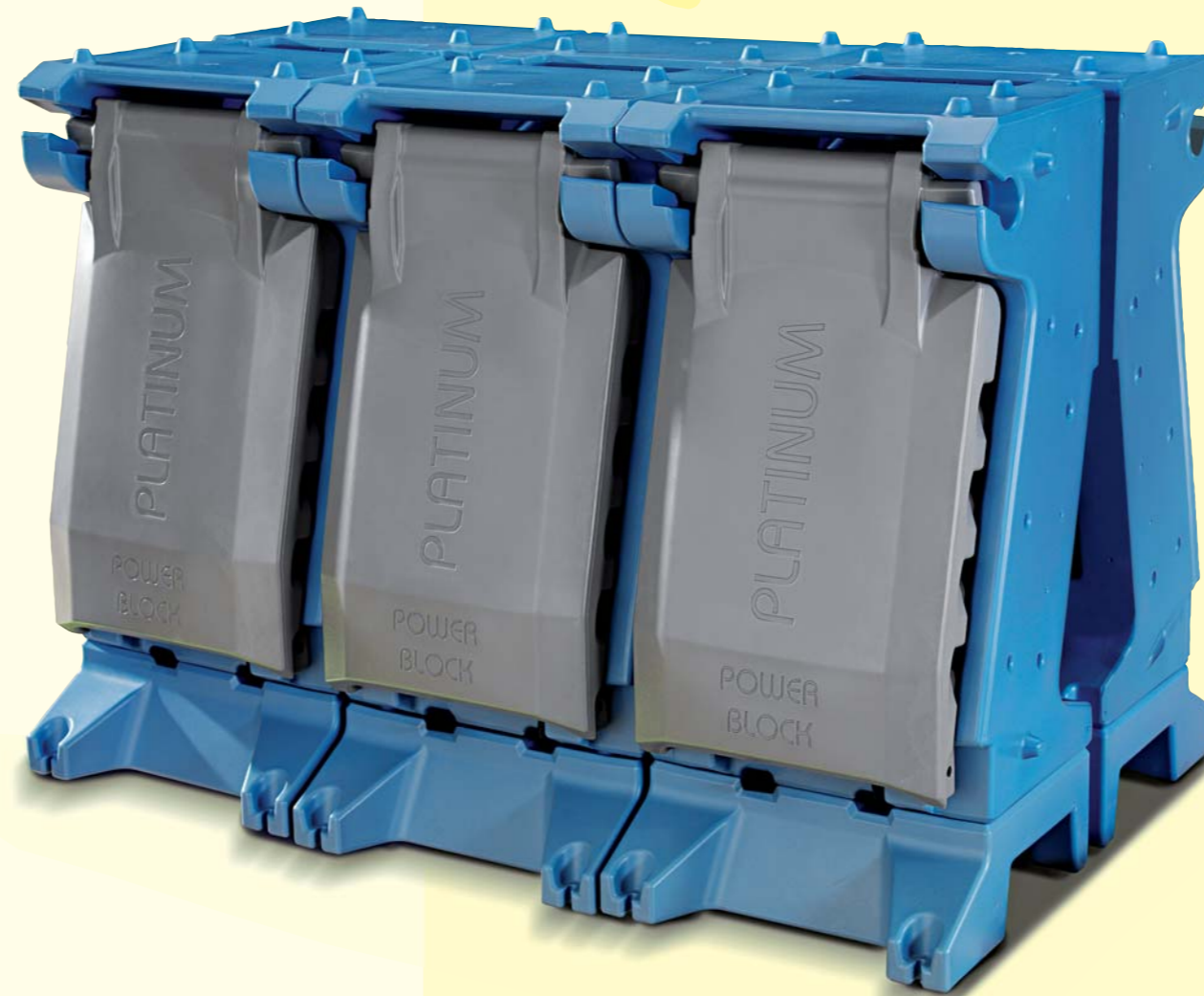
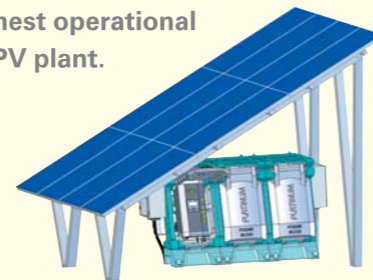
Configure your inverters in any placement structure:

The Power Block structure consists of a very robust, durable and uv-stable hightech PE material.

Because of their flexible and lightweight building block design, the compoundcells can be arranged easily by only one worker.

The multi arrangement of Power Block cell units can be built in 2 layers.

Extremely robust PLATINUM inverters from high quality industrial mass production guarantee the highest operational reliability of your PV plant.



Every inverter can be exchanged quickly, without tools, by trained personnel (qualified electricians are not required).

Superior system characteristics in compound

All PLATINUM inverters in the Power-Block are integrated in the PLATINUM network (internet connection optional). The remote monitoring of your whole PV plant has access to every single inverter.

Deficiency in output of a single string will be detected and announced safely. Reduced yields will be limited down to string size and therefore be significantly reduced. Thus, your system's operational availability will be very high.

Power Block for 3-phases TL-inverter

The Power Block for TL inverters between 13 and 22 kW




Definite cost advantages

- No additional requirements for containers, small buildings, shelters or any extra climate control units
- Competitive cabling concept with short DC and AC cables of small cross sections
- Highly space-saving, in option Power-Block-6 smoothly fitting under the construction of the PV module carrier
- Also very economical in exterior wall mount applications





POWER BLOCK models

Models	
Power Block 6-CELL	
Mechanically pre assembled cell units with flap lids and stands to hold 6 PLATINUM inverters (S- and TL-model)	
Power Block 1-STAND	
Single cell unit with flap lid and stand to hold 1 PLATINUM inverter (S- and TL-model)	
Power Block 1-WALL	
Single cell unit with flap lid to hold 1 PLATINUM inverter, without stand (S- and TL-model)	
Power Block PBF	
Power Block for 3-phases TL-inverter, full protection flap	
Power Block PBS	
Power Block for 3-phases TL-inverter, floor-mounted device	



Technical data

Models	S + TL	3-phases TL from 13 kW
Operating conditions		
Ambient temperature specification for cell unit	-35 up to +80°C	
DC voltage range	see PLATINUM inverter	
AC voltage range	see PLATINUM inverter	
Max. AC power of Power Block	regarding number of PLATINUM inverters	
Dimensions		
Power Block 6 dimensions (W x L x H)	110 x 221 x 122 cm	55 x 120 x 120 cm
Connection of stand to ground	8 mm screwing	
Screw connection cell units	M 8 x 120	
Weight		
Weight Power Block single cell	approx. 22 kg	approx. 27 kg, with flap approx. 37 kg
Weight Power Block 6 cell unit	approx. 174 kg	approx. 174 kg
Models	S + TL	3-phases TL from 13 kW

subject for changes





Diehl AKO

is an internationally leading electronics company which specializes in the development and production of industrial control and regulating systems.

As the market leader, every year we manufacture more than 2 million frequency inverters for power drive systems alone.

Innovation & quality

Diehl AKO sets standards for the development of **innovative concepts** for electronic systems and appliances by established know-how, the selection of component parts and the latest technologies of excellent production and test engineering. From the electronics to the complete appliance, the manufacturing process of our products is certified according to

the **Quality and environment standards**

ISO 9001-2000 and ISO 14000.

All **PLATINUM string inverters** are built in excellent industrial quality. Therefore we give a standard 5-year guarantee for our string inverters. For all **S- and TL-models** we give optional even a **10-year guarantee**. For string inverters there is an optional warranty extension to 20 years.



Environmental protection

*Environmental protection has top priority for **Diehl AKO**. In order to live up to this standard, **Diehl AKO** continually improves manufacturing processes and optimizes the use of resource-friendly materials.*

*The products are manufactured in compliance with the new RoHS standard and the environment standard DIN EN 14001. **PLATINUM string inverters** were the first appliances on the market to be produced using **lead-free** technology.*



PLATINUM plant monitoring –

much more than just access to your data.



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