



Phase shifter.

The reactive power inverter blueplanet 50.0 TL3 ROnly.

There is an increasing demand for large-scale PV systems to support grid management, and compensating reactive power – both during the day and especially at night – is one of these measures. For this purpose, KACO new energy has developed a pure reactive power inverter, the blueplanet 50.0 TL3 ROnly.

The blueplanet 50.0 TL3 ROnly is connected to the PV system on the AC side only. The number of devices depends on the scope of support the system is required to provide in terms of grid management. The solar park's own reactive power requirements can also be taken into account, of course. Since fluctua-

tions in the grid can result from a range of causes, the application goes beyond solar parks: the blueplanet 50.0 TL3 ROnly can therefore also be used for reactive power compensation in industrial or other large consumer sites.

The blueplanet 50.0 TL3 ROnly shares the outward features of the blueplanet 50.0 TL3 INT solar PV inverter. The advantage is that there are no special installation conditions necessary: The device can readily be used for wall-mounting out in the open.

The blueplanet 50.0 TL3 ROnly can be used to deliver reactive power in new PV

systems as well as for retrofitting existing ones, and in combination with both KACO new energy string inverters and third party products. Plus: By using a purely reactive-power inverter, solar inverters do not have to reduce their own active power in order to match the grid reactive power. Instead, they can continue to feed in solely active power, protecting the park operator from yield losses.

Stay in touch with us via pv-projects@kaco-newenergy.de



blueplanet 50.0 TL3 ROnly

For new and existing PV plants

AC-coupled

Reactive power at night

Outdoor housing for wall-mounting

Certified according to EN 62109-1

Technical Data **50.0 TL3 ROnly** **NEW**

Rated output	50000 var
Reactive power	0...100%
Line voltage	400 V / 230 V; 380 V / 220 V; 415 V / 240 V (3/N/PE oder 3/PEN)
Rated current	3 x 72,4 A
Max. current	3 x 75.8 A
Rated frequency	50 Hz/60 Hz
Standby consumption	2.5 W

Mechanical Daten

Display	graphical display + LEDs
Control units	4-way navigation + 2 buttons
Interfaces	standard: 2xEthernet, USB, RS485, error relay
Connections	screw terminals, max. : 95 mm ² Cu or Al
Ambient temperature	-20 °C ... +60 °C ¹⁾
Cooling	forced convection / speed controlled fan
Protection class	IP65
Noise emission	<61 db(A)
H x W x D	760 x 500 x 425 mm
Weight	75 kg

Certifications

Safety	IEC 62109-1
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