

blueplanet 50.0 TL3 RPonly

Reactive power inverter.



Phase shifter.

Provision of reactive power at any time as required

For new and existing plants

Alternative to conventional, larger compensation systems

AC-coupled

Outdoor housing for wall mounting

Conforms to EN 62109-1

Technical Data

AC output data		50.0 TL3 ROnly
Rated reactive power		50 000 var
Max. reactive power		52 000 var
Line voltage		240 V / 415 V (3 / N / PE) 230 V / 400 V (3 / N / PE) 220 V / 380 V (3 / N / PE)
Voltage range (Ph-Ph)		305 – 480 V
Rated frequency (range)		50 Hz / 60 Hz (42 - 68 Hz)
Rated current		3 x 69.6 @ 415 V 3 x 72.2 @ 400 V 3 x 76.0 @ 380 V
Max. current		3 x 76.5 A
Reactive power / cos phi		0 – 100 % Smax / 0
Max. total harmonic distortion (THD)		1.6 %
Number of grid phases		3
General data		
Max. efficiency		98.5 %
Europ. efficiency		98.1 %
Standby consumption		2.5 W
Circuitry topology		transformerless
Mechanical data		
Display		graphical display + LEDs
Control units		4-way navigation + 2 buttons
Interfaces		Ethernet, USB, RS485, optional: 4-DI
Fault signalling relay		potential-free NOC max. 30 V / 1 A
AC connection		screw terminals, max. 95 mm ² , Cu / Al
Ambient temperature		-20 °C – +60 °C ¹⁾
Humidity		0 – 100 %
Max. installation elevation (above MSL)		3 000 m
Min. distance from coast		2 000 m / 500 m (OD+ version)
Cooling		temperature controlled fan
Protection class		IP65
Noise emission		61 db (A)
H x W x D		760 x 500 x 425 mm
Weight		73 kg
Certifications		
Safety		IEC 62109-1/-2, EN 61000-6-1/-2/-3, EN 61000-3-11/-12
Grid connection rule		overview see homepage / download area

¹⁾ Power derating at high ambient temperatures