

OVERVIEW of Certifications
Date: 14.09.2017

General standards

	Interference immunity	Interference immunity	Emitted interference	Emitted interference	Secondary effects to the Grid	Secondary effects to the Grid	Safety Power Systems	Safety General requirements	Safety Particular requirements for Inverters
	Immunity for residential, commercial and light-	Immunity for industrial environments	Emission standard for residential, commercial and light-	Emission standard for industrial environments	Limits for flicker and harmonic with rated current <= 16 A per phase and not subject to conditional connection	Limits for flicker and harmonic currents with input current > 16 A and			
	EN 61000-6-1:2007 (IEC 61000-6-1:2005)	EN 61000-6-2: 2005 (IEC 61000-6-2:2005) EN 61000-6-2:2006-03	EN 61000-6-3:2007 + A1:2011 (IEC 61000-6-3:2006 + A1:2010)	EN 61000-6-4:2007 + A1:2011 (IEC 61000-6-4:2006 + A1:2010)	EN 61000-3-2:2006 + A1:2009 + A2:2009 (IEC 61000-3-2:2005 + A 1 : 2008 + A2:2009) EN 61000-3-3:2008 (IEC 61 000-3-3:2008)	EN 61000-3-12:2011 (IEC 61000-3-12:2011) EN 61000-3-11:2000 (IEC 61000-3-11:2000)	IEC 62040-1	IEC 62109-1 2010	IEC 62109-2 2011
Galvanically isolated string inverters									
Powador 2002 - 6002									
Powador 2002	-	✓	✓	✓	✓	-	-	✓	-
Powador 3002	-	✓	✓	✓	✓	-	-	✓	-
Powador 4202	-	✓	✓	✓	✓	-	-	✓	-
Powador 5002	-	✓	✓	✓	✓	✓	-	✓	-
Powador 6002	-	✓	✓	✓	✓	-	-	✓	-
Transformerless string inverters									
Powador 3200 - 6600									
Powador 3000 special edition	-	✓	✓	✓	✓	-	-	✓	-
Powador 3200	-	✓	✓	✓	✓	-	-	✓	✓
Powador 4200	-	✓	✓	✓	✓	-	-	✓	✓
Powador 4400	-	✓	✓	✓	✓	-	-	✓	✓
Powador 5300	-	✓	✓	✓	-	✓	-	✓	✓
Powador 5500	-	✓	✓	✓	-	✓	-	✓	✓
Powador 6600	-	✓	✓	✓	-	✓	-	✓	✓
Powador 7700 - 9600									
Powador 7700	-	✓	✓	✓	-	✓	-	✓	✓
Powador 7900	-	✓	✓	✓	-	✓	-	✓	✓
Powador 8600	-	✓	✓	✓	-	✓	-	✓	✓
Powador 9600	-	✓	✓	✓	-	✓	-	✓	✓
blueplanet 3.0 - 4.6TL1									
blueplanet 3.0 TL1 M1	✓	✓	✓	-	✓	-	-	✓	✓
blueplanet 3.0 TL1	✓	✓	✓	-	✓	-	-	✓	✓
blueplanet 3.5 TL1	✓	✓	✓	-	✓	-	-	✓	✓
blueplanet 3.7 TL1	✓	✓	✓	-	✓	-	-	✓	✓
blueplanet 4.0 TL1	✓	✓	✓	-	✓	-	-	✓	✓
blueplanet 4.6 TL1	✓	✓	✓	-	✓	-	-	✓	✓
blueplanet 5.0 TL1	✓	✓	✓	-	✓	-	-	✓	✓
Transformerless three-phase inverters									
blueplanet 5.0 TL3 - 10.0 TL3									
blueplanet 5.0 TL3	-	✓	✓	-	✓	✓	-	✓	✓
blueplanet 6.5 TL3	-	✓	✓	-	✓	✓	-	✓	✓
blueplanet 7.5 TL3	-	✓	✓	-	✓	✓	-	✓	✓
blueplanet 8.6 TL3	-	✓	✓	-	✓	✓	-	✓	✓
blueplanet 9.0 TL3	-	✓	✓	-	✓	✓	-	✓	✓
blueplanet 10.0 TL3	-	✓	✓	-	✓	✓	-	✓	✓
Powador 6.0 TL3 - 20.0 TL3									
Powador 6.0 TL3	✓	✓	✓	✓	✓	-	-	✓	✓
Powador 7.8 TL3	✓	✓	✓	✓	✓	-	-	✓	✓
Powador 9.0 TL3	✓	✓	✓	✓	✓	-	-	✓	✓
Powador 10.0 TL3	✓	✓	✓	✓	✓	-	-	✓	✓
Powador 12.0 TL3	✓	✓	✓	✓	✓	-	-	✓	✓
Powador 14.0 TL3	✓	✓	✓	✓	✓	-	-	✓	✓
Powador 18.0 TL3	✓	✓	✓	✓	✓	-	-	✓	✓
Powador 20.0 TL3	✓	✓	✓	✓	✓	-	-	✓	✓
blueplanet 15.0 TL3	✓	✓	✓	✓	-	✓	-	✓	✓
blueplanet 20.0 TL3	✓	✓	✓	✓	-	✓	-	✓	✓
Powador 30.0 TL3 - 60.0 TL3									
Powador 30.0 TL3	✓	✓	✓	-	-	✓	-	✓	✓
Powador 33.0 TL3	✓	✓	✓	-	-	✓	-	✓	✓
Powador 36.0 TL3	✓	✓	✓	-	-	✓	-	✓	✓
Powador 36.0 TL3 M1	✓	✓	✓	-	-	✓	-	✓	✓
Powador 37.5 TL3	✓	✓	✓	-	-	✓	-	✓	✓
Powador 39.0 TL3	✓	✓	✓	-	-	✓	-	✓	✓
Powador 39.0 TL3 M1	✓	✓	✓	-	-	✓	-	✓	✓
Powador 40.0 TL3	✓	✓	✓	-	-	✓	-	✓	✓
Powador 60.0 TL3	✓	✓	✓	-	-	✓	-	✓	✓
blueplanet 50.0 TL3	-	✓	✓	-	-	✓	-	✓	✓
Transformerless three-phase inverters Park									
48.0 TL3 - 72.0 TL3 Park									
Powador 48.0 TL3 Park	✓	✓	✓	✓	-	✓	-	✓	✓
Powador 72.0 TL3 Park	✓	✓	✓	✓	-	✓	-	✓	✓
Central inverters									
Central inverters Powador XP-Series									
Powador XP500-HV TL	-	✓	-	✓	EN 61000-3-3:2008	EN 61000-3-12:2011	-	✓	-
Powador XP550-HV TL	-	✓	-	✓	EN 61000-3-3:2008	EN 61000-3-12:2011	-	✓	-
Powador XP500-HV TL outdoor	-	✓	-	✓	EN 61000-3-3:2008	EN 61000-3-12:2011	-	✓	-
Powador XP550-HV TL outdoor	-	✓	-	✓	EN 61000-3-3:2008	EN 61000-3-12:2011	-	✓	-
KACO blueplanet 1000 TL3	-	✓	-	✓	-	✓	-	✓	✓
Energy storage solution									
Powador-gridsave	-	✓	EN 61000-6-3:2007	-	-	EN 61000-3-11:2000 EN 61000-3-12:2005	-	✓	✓
Powador-gridsave eco	✓	✓	EN 61000-6-3:2007	-	-	EN 61000-3-11:2000 EN 61000-3-12:2005	✓	-	-

Legend
 ✓ = Certificate available, Inverter fulfills the requirements of the standard
 - = Certification is not available, for questions please contact KACO new energy
 ● = No standard available; special settings to be adjusted by customer; delivery is possible if the customer fills out the form "Country-specific inverter settings"

OVERVIEW of Certifications
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Europe







	VDE 0126-1-1 (2006)	OVE/ONORME 8001-4-712-2009-12 2014-05 2016-11	TOR D4: 2013-09 2016-07	C10/11: 2012-06	EN50438:2013	VDE0126-1-1	IEC 62109-1:2010 IEC 62109-2:2011 IEC 61727:2004 IEC 62116:2008	VDE-AR-N 4105	EN 50438:2013 VDE0126-1-1 (2006-02)	EN50438:2007 VDE0126-1-1 (2006-02)	EN50438:2013 VDE0126-1-1 (2012)	VDE-AR-N 4105 2011-08
Galvanically isolated string inverters												
Powador 2002 - 6002												
Powador 2002	✓	-	-	-	-	-	-	✓	✓	-	-	✓
Powador 3002	✓	-	-	-	-	-	-	✓	✓	-	-	✓
Powador 4202	✓	-	-	-	-	-	-	✓	✓	-	-	✓
Powador 5002	✓	-	-	-	-	-	-	✓	✓	-	-	✓
Powador 6002	✓	-	-	-	-	-	-	✓	✓	-	-	✓
Transformerless string inverters												
Powador 3200 - 6600												
Powador 3000 special edition	-	-	-	-	-	-	-	-	-	-	-	-
Powador 3200	-	-	-	-	-	✓	-	✓	✓	✓	-	✓
Powador 4200	-	-	-	-	-	✓	-	✓	✓	✓	-	✓
Powador 4400	-	-	-	-	-	✓	-	✓	✓	✓	-	✓
Powador 5300	-	-	-	-	-	✓	-	✓	✓	✓	-	✓
Powador 5500	-	-	-	-	-	✓	-	✓	✓	✓	-	✓
Powador 6600	-	-	-	-	-	✓	-	✓	✓	✓	-	✓
Powador 7700 - 9600												
Powador 7700	✓	-	-	-	-	✓	-	✓	✓	✓	-	✓
Powador 7900	✓	-	-	-	-	✓	-	✓	✓	✓	-	✓
Powador 8600	✓	-	-	-	-	✓	-	✓	✓	✓	-	✓
Powador 9600	✓	-	-	-	-	✓	-	✓	✓	✓	-	✓
blueplanet 3.0 - 4.6TL1												
blueplanet 3.0 TL1 M1	-	✓	-	✓	-	-	-	✓	✓	-	-	✓
blueplanet 3.0 TL1	-	✓	-	✓	-	-	-	✓	✓	-	-	✓
blueplanet 3.5 TL1	-	✓	-	✓	-	-	-	✓	✓	-	-	✓
blueplanet 3.7 TL1	-	✓	-	✓	-	-	-	✓	✓	-	-	✓
blueplanet 4.0 TL1	-	✓	-	✓	-	-	-	✓	✓	-	-	✓
blueplanet 4.6 TL1	-	✓	-	✓	-	-	-	✓	✓	-	-	✓
blueplanet 5.0 TL1	-	-	-	✓	-	-	-	-	-	-	-	-
Transformerless three-phase inverters												
blueplanet 5.0 TL3 - 10.0 TL3												
blueplanet 5.0 TL3	✓	✓	✓	✓	-	✓	✓	✓	-	-	-	✓
blueplanet 6.5 TL3	✓	✓	✓	✓	-	✓	✓	✓	-	-	-	✓
blueplanet 7.5 TL3	✓	✓	✓	✓	-	✓	✓	✓	-	-	-	✓
blueplanet 8.6 TL3	✓	✓	✓	✓	-	✓	✓	✓	-	-	-	✓
blueplanet 9.0 TL3	✓	✓	✓	✓	-	✓	✓	✓	-	-	-	✓
blueplanet 10.0 TL3	✓	✓	✓	✓	-	✓	✓	✓	-	-	-	✓
Powador 6.0 TL3 - 20.0 TL3												
Powador 6.0 TL3	✓	-	-	-	-	-	-	-	-	-	-	-
Powador 7.8 TL3	✓	-	-	-	-	-	-	-	-	-	-	-
Powador 9.0 TL3	✓	-	-	-	-	-	-	-	-	-	-	-
Powador 10.0 TL3	✓	-	-	-	-	-	-	-	-	-	-	-
Powador 12.0 TL3	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓
Powador 14.0 TL3	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓
Powador 18.0 TL3	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓
Powador 20.0 TL3	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓
blueplanet 15.0 TL3	-	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓
blueplanet 20.0 TL3	-	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓
Powador 30.0 TL3 - 60.0 TL3												
Powador 30.0 TL3	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓
Powador 33.0 TL3	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓
Powador 36.0 TL3	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓
Powador 36.0 TL3 M1	-	-	-	-	-	-	-	-	-	-	-	-
Powador 37.5 TL3	✓	-	-	-	-	-	-	-	-	-	-	-
Powador 39.0 TL3	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓
Powador 39.0 TL3 M1	-	-	-	-	-	-	-	-	-	-	-	-
Powador 40.0 TL3	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓
Powador 60.0 TL3	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓
blueplanet 50.0 TL3	-	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓
Transformerless three-phase inverters Park												
48.0 TL3 - 72.0 TL3 Park												
Powador 48.0 TL3 Park	-	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓
Powador 72.0 TL3 Park	-	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓
Central inverters												
Central inverters Powador XP-Series												
Powador XP500-HV TL	-	-	-	-	-	-	-	-	-	-	-	-
Powador XP550-HV TL	-	-	-	-	-	-	-	-	-	-	-	-
Powador XP500-HV TL outdoor	-	-	-	-	-	-	-	-	-	-	-	-
Powador XP550-HV TL outdoor	-	-	-	-	-	-	-	-	-	-	-	-
KACO blueplanet 1000 TL3	-	-	-	-	-	-	-	-	-	-	-	-
Energy storage solution												
Powador-gridsave	-	-	-	-	-	-	-	-	-	-	-	-
Powador-gridsave eco	-	-	-	-	-	-	-	-	-	-	-	-

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Europe

	 France FR	 Germany DE LV MV	 Great Britain GB	 Greece GR	
	UTE C 15-712-1:2010-07, rectificatif 0:2010-09 et rectificatif 1:2012-02 & DIN VDE V 0126-1-1/A1:2012-02	UTE C 15-712-1:2013-07, UTE C 15-712-1:2010-07, rectificatif 0:2010-09 et rectificatif 1:2012-02 & DIN VDE V 0126-1-1/A1:2012-02 VFR2013/VFR2014	VDE V 0126-1-1 VDE V 0126-1-1	VDE-AR-N 4105 BDEW Richtlinie G83-2 (2012)	G59/3:2013 VDE V 0126-1-1:2006-02 G 59/2 VDE V 0126-1-1:2006-02 G59/3:2014 VDE V 0126-1-1:2006-02 VDE 0126-1-1:2006-02
Galvanically isolated string inverters					
Powador 2002 - 6002					
Powador 2002	-	-	✓	-	
Powador 3002	-	-	✓	-	
Powador 4202	-	-	✓	-	
Powador 5002	-	-	✓	-	
Powador 6002	-	-	✓	-	
Transformerless string inverters					
Powador 3200 - 6600					
Powador 3000 special edition	-	-	-	-	
Powador 3200	-	-	✓	✓	
Powador 4200	-	-	✓	✓	
Powador 4400	-	-	✓	✓	
Powador 5300	-	-	✓	✓	
Powador 5500	-	-	✓	✓	
Powador 6600	-	-	✓	✓	
Powador 7700 - 9600					
Powador 7700	-	-	✓	✓	
Powador 7900	-	-	✓	✓	
Powador 8600	-	-	✓	✓	
Powador 9600	-	-	✓	✓	
blueplanet 3.0 - 4.6TL1					
blueplanet 3.0 TL1 M1	-	✓	✓	✓	
blueplanet 3.0 TL1	-	✓	✓	✓	
blueplanet 3.5 TL1	-	✓	✓	✓	
blueplanet 3.7 TL1	-	✓	✓	✓	
blueplanet 4.0 TL1	-	✓	✓	✓	
blueplanet 4.6 TL1	-	✓	✓	✓	
blueplanet 5.0 TL1	-	✓	✓	✓	
Transformerless three-phase inverters					
blueplanet 5.0 TL3 - 10.0 TL3					
blueplanet 5.0 TL3	-	✓	✓	✓	
blueplanet 6.5 TL3	-	✓	✓	✓	
blueplanet 7.5 TL3	-	✓	✓	✓	
blueplanet 8.6 TL3	-	✓	✓	✓	
blueplanet 9.0 TL3	-	✓	✓	✓	
blueplanet 10.0 TL3	-	✓	✓	✓	
Powador 6.0 TL3 - 20.0 TL3					
Powador 6.0 TL3	-	-	-	✓	
Powador 7.8 TL3	-	-	-	✓	
Powador 9.0 TL3	-	-	-	✓	
Powador 10.0 TL3	-	-	-	✓	
Powador 12.0 TL3	✓	✓	✓	✓	
Powador 14.0 TL3	✓	✓	✓	✓	
Powador 18.0 TL3	✓	✓	✓	✓	
Powador 20.0 TL3	✓	✓	✓	✓	
blueplanet 15.0 TL3	✓	✓	✓	✓	
blueplanet 20.0 TL3	✓	✓	✓	✓	
Powador 30.0 TL3 - 60.0 TL3					
Powador 30.0 TL3	✓	✓	✓	✓	
Powador 33.0 TL3	✓	✓	✓	✓	
Powador 36.0 TL3	✓	✓	✓	✓	
Powador 36.0 TL3 M1	-	-	-	-	
Powador 37.5 TL3	-	-	-	-	
Powador 39.0 TL3	✓	✓	✓	✓	
Powador 39.0 TL3 M1	-	-	-	-	
Powador 40.0 TL3	✓	✓	✓	✓	
Powador 60.0 TL3	✓	✓	✓	✓	
blueplanet 50.0 TL3	✓	✓	✓	✓	
Transformerless three-phase inverters Park					
48.0 TL3 - 72.0 TL3 Park					
Powador 48.0 TL3 Park	-	✓	✓	✓	
Powador 72.0 TL3 Park	✓	✓	✓	✓	
Central inverters					
Central inverters Powador XP-Series					
Powador XP500-HV TL	-	-	-	✓	
Powador XP500-HV TL	-	-	-	✓	
Powador XP500-HV TL outdoor	-	-	-	✓	
Powador XP500-HV TL outdoor	-	-	-	✓	
KACO blueplanet 1000 TL3	-	-	-	✓	
Energy storage solution					
Powador-gridsave	-	-	✓	-	
Powador-gridsave eco	-	-	✓	-	

Legend
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Europe

	 Hungary HU	 Italy IT LV MV	 Netherlands NL	 Poland PL	 Portugal PT	 Romania RO				
	IEC 61727:2004 IEC 62116:2008 IEC 62109-1:2010 IEC 62109-2:2011	VDE-AR-N 4105 VDE V 0124-100 IEC 62109-1:2011 IEC 62109-2:2012 IEC 61727:2004 IEC 62116:2008 EN 50438:2013	CEI-021 CEI-016	EN 50438:2007 EN 50438:2013	C10/11:2012-06 VDE 0126-1-1	EN 50438 (2007) EN 50438 (2013)	EN 50438 (2007) EN 50438 (2013)	EN50438 (2007) VDE0126-1-1 (2006-02)	EN 50438 (2013) VDE0126-1-1 (2012)	VDE-AR-N 4105:2011 VDE0124-100:2012
Galvanically isolated string inverters										
Powador 2002 - 6002										
Powador 2002	-	-	-	-	-	-	-	-	-	-
Powador 3002	-	-	-	-	-	-	-	-	-	-
Powador 4202	-	-	-	-	-	-	-	-	-	-
Powador 5002	-	-	-	-	-	-	-	-	-	-
Powador 6002	-	-	-	-	-	-	-	-	-	-
Transformerless string inverters										
Powador 3200 - 6600										
Powador 3000 special edition	-	-	-	-	-	-	-	-	-	-
Powador 3200	-	-	-	-	-	✓	-	✓	-	-
Powador 4200	-	-	-	-	-	✓	-	✓	-	-
Powador 4400	-	-	-	-	-	-	-	✓	-	-
Powador 5300	-	-	-	-	-	✓	-	✓	-	-
Powador 5500	-	-	-	-	-	✓	-	✓	-	-
Powador 6600	-	-	-	-	-	✓	-	✓	-	-
Powador 7700 - 9600										
Powador 7700	-	-	-	-	-	-	-	✓	-	-
Powador 7900	-	-	-	-	-	-	-	✓	-	-
Powador 8600	-	-	-	-	-	-	-	✓	-	-
Powador 9600	-	-	-	-	-	-	-	✓	-	-
blueplanet 3.0 - 4.6TL1										
blueplanet 3.0 TL1 M1	✓	-	✓	-	✓	-	✓	-	✓	-
blueplanet 3.0 TL1	✓	-	✓	-	✓	-	✓	-	✓	-
blueplanet 3.5 TL1	✓	-	✓	-	✓	-	✓	-	✓	-
blueplanet 3.7 TL1	✓	-	✓	-	✓	-	✓	-	✓	-
blueplanet 4.0 TL1	✓	-	✓	-	✓	-	✓	-	✓	-
blueplanet 4.6 TL1	✓	-	✓	-	✓	-	✓	-	✓	-
blueplanet 5.0 TL1	✓	-	✓	-	✓	-	✓	-	✓	-
Transformerless three-phase inverters										
blueplanet 5.0 TL3 - 10.0 TL3										
blueplanet 5.0 TL3	✓	-	-	✓	-	✓	-	✓	-	✓
blueplanet 6.5 TL3	✓	-	-	✓	-	✓	-	✓	-	✓
blueplanet 7.5 TL3	✓	-	-	✓	-	✓	-	✓	-	✓
blueplanet 8.6 TL3	✓	-	-	✓	-	✓	-	✓	-	✓
blueplanet 9.0 TL3	✓	-	-	✓	-	✓	-	✓	-	✓
blueplanet 10.0 TL3	✓	-	-	✓	-	✓	-	✓	-	✓
Powador 6.0 TL3 - 20.0 TL3										
Powador 6.0 TL3	-	-	-	-	-	✓	-	-	-	-
Powador 7.8 TL3	-	-	-	-	-	✓	-	-	-	-
Powador 9.0 TL3	-	-	-	-	-	✓	-	-	-	-
Powador 10.0 TL3	-	-	-	-	-	✓	-	-	-	-
Powador 12.0 TL3	✓	✓	✓	✓	✓	✓	-	✓	-	✓
Powador 14.0 TL3	✓	✓	✓	✓	✓	✓	-	✓	-	✓
Powador 18.0 TL3	✓	✓	✓	✓	✓	✓	-	✓	-	✓
Powador 20.0 TL3	✓	✓	✓	✓	✓	✓	-	✓	-	✓
blueplanet 15.0 TL3	✓	✓	✓	✓	✓	✓	-	✓	-	✓
blueplanet 20.0 TL3	✓	✓	✓	✓	✓	✓	-	✓	-	✓
Powador 30.0 TL3 - 60.0 TL3										
Powador 30.0 TL3	✓	✓	✓	-	✓	✓	-	✓	-	✓
Powador 33.0 TL3	✓	✓	✓	-	✓	✓	-	✓	-	✓
Powador 36.0 TL3	✓	✓	✓	-	✓	✓	-	✓	-	✓
Powador 36.0 TL3 M1	-	-	-	-	-	-	-	-	-	-
Powador 37.5 TL3	-	-	-	-	-	✓	-	-	-	-
Powador 39.0 TL3	✓	✓	✓	-	✓	✓	-	✓	-	✓
Powador 39.0 TL3 M1	-	-	-	-	-	-	-	-	-	-
Powador 40.0 TL3	✓	✓	✓	-	✓	✓	-	✓	-	✓
Powador 60.0 TL3	✓	✓	✓	-	✓	✓	-	✓	-	✓
blueplanet 50.0 TL3	-	✓	✓	-	✓	✓	-	✓	-	-
Transformerless three-phase inverters Park										
48.0 TL3 - 72.0 TL3 Park										
Powador 48.0 TL3 Park	✓	✓	✓	-	✓	✓	-	✓	-	✓
Powador 72.0 TL3 Park	✓	✓	✓	-	✓	✓	-	✓	-	✓
Central inverters										
Central inverters Powador XP-Series										
Powador XP500-HV TL	-	-	-	-	-	-	-	-	-	-
Powador XP550-HV TL	-	-	-	-	-	-	-	-	-	-
Powador XP500-HV TL outdoor	-	-	-	-	-	-	-	-	-	-
Powador XP550-HV TL outdoor	-	-	-	-	-	-	-	-	-	-
KACO blueplanet 1000 TL3	-	-	-	-	-	-	-	-	-	-
Energy storage solution										
Powador-gridsave	-	-	-	-	-	-	-	-	-	-
Powador-gridsave eco	-	-	-	-	-	-	-	-	-	-

Legend
 ✓ = Certificate available, inverter fulfills the requirements of the standard
 - = Certification is not available, for questions please contact KACO new energy
 ● = No standard available external

OVERVIEW of Certifications
Date: 14.09.2017

Europe

	 Serbia RS	 Slovenia SI	 Slovakia SK	 Spain ES	 MV	 Switzerland CH	 Turkey TR				
	VDE0126-1-1	VDE0126-1-1 (2006-02)	VDE0126-1-1 (2006-02)	RD661 (2007)	RD 1699/2011	PO 12.3	VDE0126-1-1 (2006-2)	VDE-AR-N 4105	VDE0126-1-1 (2006-02) (2012-02)	EN 50438 (2007)	EN 50438 (2014)
Galvanically isolated string inverters											
Powador 2002 - 6002											
Powador 2002	-	-	-	-	-	-	✓	-	-	-	-
Powador 3002	-	-	-	-	-	-	✓	-	-	-	-
Powador 4202	-	-	-	-	-	-	✓	-	-	-	-
Powador 5002	-	-	-	-	-	-	✓	-	-	-	-
Powador 6002	-	-	-	-	-	-	✓	-	-	-	-
Transformerless string inverters											
Powador 3200 - 6600											
Powador 3000 special edition	-	-	-	-	-	-	-	-	-	-	-
Powador 3200	-	-	-	✓	✓	-	✓	-	-	-	-
Powador 4200	-	-	-	✓	✓	-	✓	-	-	-	-
Powador 4400	-	-	-	✓	✓	-	✓	-	-	-	-
Powador 5300	-	-	-	✓	✓	-	✓	-	-	-	-
Powador 5500	-	-	-	✓	✓	-	✓	-	-	-	-
Powador 6600	-	-	-	✓	✓	-	✓	-	-	-	-
Powador 7700 - 9600											
Powador 7700	-	-	-	-	-	-	✓	-	-	-	-
Powador 7900	-	-	-	-	-	-	✓	-	-	-	-
Powador 8600	-	-	-	-	-	-	✓	-	-	-	-
Powador 9600	-	-	-	-	-	-	✓	-	-	-	-
blueplanet 3.0 - 4.6TL1											
blueplanet 3.0 TL1 M1	-	-	-	-	✓	-	-	✓	-	-	-
blueplanet 3.0 TL1	-	-	-	-	✓	-	-	✓	-	-	-
blueplanet 3.5 TL1	-	-	-	-	✓	-	-	✓	-	-	-
blueplanet 3.7 TL1	-	-	-	-	✓	-	-	✓	-	-	-
blueplanet 4.0 TL1	-	-	-	-	✓	-	-	✓	-	-	-
blueplanet 4.6 TL1	-	-	-	-	✓	-	-	✓	-	-	-
blueplanet 5.0 TL1	-	-	-	-	✓	-	-	✓	-	-	-
Transformerless three-phase inverters											
blueplanet 5.0 TL3 - 10.0 TL3											
blueplanet 5.0 TL3	-	-	-	✓	✓	-	✓	-	✓	✓	-
blueplanet 6.5 TL3	-	-	-	✓	✓	-	✓	-	✓	✓	-
blueplanet 7.5 TL3	-	-	-	✓	✓	-	✓	-	✓	✓	-
blueplanet 8.6 TL3	-	-	-	✓	✓	-	✓	-	✓	✓	-
blueplanet 9.0 TL3	-	-	-	✓	✓	-	✓	-	✓	✓	-
blueplanet 10.0 TL3	-	-	-	✓	✓	-	✓	-	✓	✓	-
Powador 6.0 TL3 - 20.0 TL3											
Powador 6.0 TL3	-	-	-	-	-	-	✓	-	-	-	-
Powador 7.8 TL3	-	-	-	-	-	-	✓	-	-	-	-
Powador 9.0 TL3	-	-	-	-	-	-	✓	-	-	-	-
Powador 10.0 TL3	-	-	-	-	-	-	✓	-	-	-	-
Powador 12.0 TL3	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
Powador 14.0 TL3	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
Powador 18.0 TL3	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
Powador 20.0 TL3	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
blueplanet 15.0 TL3	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
blueplanet 20.0 TL3	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
Powador 30.0 TL3 - 60.0 TL3											
Powador 30.0 TL3	✓	-	-	✓	✓	✓	✓	✓	✓	-	✓
Powador 33.0 TL3	✓	-	-	✓	✓	✓	✓	✓	✓	-	✓
Powador 36.0 TL3	✓	-	-	✓	✓	-	✓	✓	✓	-	✓
Powador 36.0 TL3 M1	-	-	-	-	-	-	-	-	-	-	-
Powador 37.5 TL3	-	-	-	-	-	-	✓	-	✓	-	-
Powador 39.0 TL3	✓	-	-	✓	✓	✓	✓	✓	✓	-	✓
Powador 39.0 TL3 M1	-	-	-	-	-	-	-	-	-	-	-
Powador 40.0 TL3	✓	-	-	✓	✓	✓	✓	✓	✓	-	✓
Powador 60.0 TL3	✓	-	-	✓	✓	✓	✓	✓	✓	✓	✓
blueplanet 50.0 TL3	-	-	-	✓	✓	✓	✓	✓	✓	-	✓
Transformerless three-phase inverters Park											
48.0 TL3 - 72.0 TL3 Park											
Powador 48.0 TL3 Park	✓	-	-	✓	✓	✓	-	✓	✓	-	✓
Powador 72.0 TL3 Park	✓	-	-	✓	✓	✓	-	✓	✓	-	✓
Central inverters											
Central inverters Powador XP-Series											
Powador XP500-HV TL	-	-	-	-	-	-	-	-	-	-	-
Powador XP550-HV TL	-	-	-	-	-	-	-	-	-	-	-
Powador XP500-HV TL outdoor	-	-	-	-	-	-	-	-	-	-	-
Powador XP550-HV TL outdoor	-	-	-	-	-	-	-	-	-	-	-
KACO blueplanet 1000 TL3	-	-	-	-	-	-	-	-	-	-	-
Energy storage solution											
Powador-gridsave	-	-	-	-	-	-	-	-	-	-	-
Powador-gridsave eco	-	-	-	-	-	-	-	-	-	-	-

Legend
 ✓ = Certificate available, Inverter fulfills the requirements of the standard
 - = Certification is not available, for questions please contact KACO new energy
 ● = No standard available (special)

OVERVIEW of Certifications
Date: 14.09.2017

Worldwide



	Brazil BR	India IN	Israel IL	Jordan JO	South Africa(ZA)	Thailand	Dubai		
Customer	IEC 61727 (2004-12) IEC 61683:1999 IEC 62116:2008 IEC 62109-1:2010 IEC 62109-2:2011	IEC 61727:2004 IEC 62116:2014 IEC 62109-1:2010 IEC 62109-2:2011 IEC 60068-2-1:2007 IEC 60068-2-2:2007 IEC 60068-2-14:2009 IEC 60068-2-30:2005 IEC 60068-2-75:1997 IEC 61683:1999	AS 4777.2:2005 AS 4777.3:2005 IEC 62109-1:2010 IEC 62109-2:2011	G83-2 (2012)	G59/3:2013 VDE V 0126-1-1 2006-02	Customer NRS-097-2- 1:2010 IEC 61727:2004 IEC 62116:2008 VDE V 0126-1-1	MEA	PEA	G59/3
Galvanically isolated string inverters									
Powador 2002 - 6002									
Powador 2002	●	-	✓	-	-	-	-		
Powador 3002	●	-	✓	-	-	-	-		
Powador 4202	●	-	✓	-	-	-	-		
Powador 5002	●	-	✓	-	-	-	-		
Powador 6002	●	-	✓	-	-	-	-		
Transformerless string inverters									
Powador 3200 - 6600									
Powador 3000 special edition	●	-	-	-	-	-	-		
Powador 3200	●	-	-	-	-	-	-		
Powador 4200	●	-	-	-	-	-	-		
Powador 4400	●	-	-	-	-	-	-		
Powador 5300	●	-	-	-	-	-	-		
Powador 5500	●	-	-	-	-	-	-		
Powador 6600	●	-	-	-	-	-	-		
Powador 7700 - 9600									
Powador 7700	●	-	-	-	-	-	-		
Powador 7900	●	-	-	-	-	-	-		
Powador 8600	●	-	-	-	-	-	-		
Powador 9600	●	-	-	-	-	-	-		
blueplanet 3.0 - 4.6TL1									
blueplanet 3.0 TL1 M1	-	✓	-	✓	✓	✓	✓		
blueplanet 3.0 TL1	-	✓	-	✓	✓	✓	✓		
blueplanet 3.5 TL1	-	✓	-	✓	✓	✓	✓		
blueplanet 3.7 TL1	-	✓	-	✓	✓	✓	✓		
blueplanet 4.0 TL1	-	✓	-	✓	✓	✓	✓		
blueplanet 4.6 TL1	-	✓	-	✓	✓	✓	✓		
blueplanet 5.0 TL1	-	✓	-	✓	✓	✓	✓		
Transformerless three-phase inverters									
blueplanet 5.0 TL3 - 10.0 TL3									
blueplanet 5.0 TL3	-	✓	✓	✓	✓	✓	-		
blueplanet 6.5 TL3	-	✓	✓	✓	✓	✓	-		
blueplanet 7.5 TL3	-	✓	✓	✓	✓	✓	-		
blueplanet 8.6 TL3	-	✓	✓	✓	✓	✓	-		
blueplanet 9.0 TL3	-	✓	✓	✓	✓	✓	-		
blueplanet 10.0 TL3	-	✓	✓	✓	✓	✓	-		
Powador 6.0 TL3 - 20.0 TL3									
Powador 6.0 TL3	●	-	-	-	-	-	-		
Powador 7.8 TL3	●	-	-	-	-	-	-		
Powador 9.0 TL3	●	-	-	-	-	-	-		
Powador 10.0 TL3	●	✓	-	-	-	-	✓		
Powador 12.0 TL3	●	✓	-	-	✓	✓	✓		
Powador 14.0 TL3	●	✓	-	✓	✓	✓	✓		
Powador 18.0 TL3	●	✓	-	✓	✓	✓	✓		
Powador 20.0 TL3	●	✓	-	✓	✓	✓	✓		
blueplanet 15.0 TL3	●	✓	✓	-	✓	✓	✓		
blueplanet 20.0 TL3	●	✓	✓	-	✓	✓	✓		
Powador 30.0 TL3 - 60.0 TL3									
Powador 30.0 TL3	●	✓	-	✓	-	✓	✓		
Powador 33.0 TL3	●	✓	-	✓	-	✓	✓		
Powador 36.0 TL3	●	✓	-	✓	-	✓	✓		
Powador 36.0 TL3 M1	●	-	-	-	-	-	-		
Powador 37.5 TL3	●	✓	-	✓	-	✓	✓		
Powador 39.0 TL3	●	✓	-	✓	-	✓	✓		
Powador 39.0 TL3 M1	●	-	-	-	-	-	-		
Powador 40.0 TL3	●	✓	-	✓	-	✓	✓		
Powador 60.0 TL3	●	✓	-	✓	-	✓	✓		
blueplanet 50.0 TL3	-	✓	✓	✓	-	✓	✓		
Transformerless three-phase inverters Park									
48.0 TL3 - 72.0 TL3 Park									
Powador 48.0 TL3 Park	●	✓	✓	-	✓	✓	✓		
Powador 72.0 TL3 Park	●	-	✓	-	✓	✓	-		
Central inverters									
Central inverters Powador XP-Series									
Powador XP500-HV TL	●	-	-	-	-	-	-		
Powador XP550-HV TL	●	-	-	-	-	-	-		
Powador XP500-HV TL outdoor	●	-	-	-	-	-	-		
Powador XP550-HV TL outdoor	●	-	-	-	-	-	-		
KACO blueplanet 1000 TL3	-	-	-	-	-	-	-		
Energy storage solution									
Powador-gridsave	-	-	-	-	-	-	-		
Powador-gridsave eco	-	-	-	-	-	-	-		

Legend
 ✓ = Certificate available, Inverter fulfills the requirements of the standard
 - = Certification is not available, for questions please contact KACO new energy
 ● = No standard available; special editions in the individual by customer