

KACO Powador Three-Phase Grid-Tied Inverter

Microcare has been appointed as the distributor and technical service provider for KACO Energy in South Africa. The KACO Powador solar PV Inverter is ideally suited for connection to the external transformers of decentralised commercial and utility-scale solar power plants. The Powador Three-Phase Inverters give you extreme flexibility in designing single inverter systems as well as decentralised PV systems. The integrated string collector with string fuses and overvoltage protection opens up significant cost advantages allowing for cost-effective, clearly arranged cabling of the PV systems



- Transformerless Three-Phase units
- Integrated data logger with web server
- 3 MPPTS with symmetrical and asymmetrical loading
- Silent, maintenance-free convection cooling
- Preconfigured, international settings
- Maximum efficiency greater than 97%
- 5 year warranty

Model	14.0 TL3	30 TL3	40 TL3	60 TL3
DC Input MPPT range	350V-800V	260V-800V	370V-800V	480V-850V
Operating Range	200V-950V			
Min DC Voltage	200V/250V			
No-load Voltage	1 000 V			
Max Input Current	2 x 18.6A	3 X 34A		3X36A
Number of MPPTs	2	3	3	3
Max Power/Tracker	12.8kW	20kW		
Number of Strings	2 x 2	3 x 1 (version M) 3 x 4 (version XL)		
AC Rated output	12 500 VA	25 000 VA	36 000 VA	49 900 VA
Rated Current	3 x 18.1A	3 x 36.2A	3 x 52.2A	3 x 72.2A
Rated Frequency	50 Hz			
Number of Grid Phases	3			
Max Efficiency	98%			97.8%
Night Consumption	1.5W			
Circuitry Topology	Transformerless			
Dimensions (h x w x d)	690x420x200mm	1360x840x355mm		
Weight	40kg	151kg		173kg