

TECHNICAL SPECIFICATION

General data	1000 kW	1250 kW	1500 kW
System power range	250 kVA/kW to 6 MVA/MW		
Max power per module	250 kVA/kW		
Max power per frame	1000 or 1500 kVA/kW		
	Double conversion, transformer-free, modular, Decentralised Parallel Architecture		
Parallel configuration	Up to 6 modules per frame (1500 kW) / up to 4 frames in parallel (6 MW)		
Cable entry	Bottom or top as standard		
Serviceability	Frontal access for power frame and connection frame, removeable power module with 360° access		
Back-feed protection	Built-in as standard		
Nominal input voltage	3 x 380 / 220 V + N, 3 x 400 / 230 V + N, 3 x 415 / 240 V + N		
Voltage tolerance	-30% at partial loads, ref 3 x 400 / 230V		
Input distortion THDi	<4% at 100% linear load		
Frequency range	35–70 Hz		
Power factor	0.99 @ 100% load		
Walk in/Soft start	Yes		
Output power factor	1.0		
Rated output voltage	3 x 380 / 220 V + N, 3 x 400 / 230 V + N, 3 x 415 / 240 V + N		
Output voltage variation	±1% @ 400V		
Voltage distortion	< 2% at linear load. 2.5% for non-linear load		
Frequency	50 or 60 Hz (selectable)		
Efficiency			
Overall efficiency	97.4% (VFI mode at 50% load)		
In eco-mode	Up to 99%		
Environment			
Protection rating	IP 20		
Storage temperature	-25°C to +70°C		
Operating temperature	0°C to +40°C		
Altitude (above sea level)	1000 m without de-rating		
Batteries			
Number of 12V blocks / string	40–50 12V blocks		
Types	VRLA, vented lead-acid, NiCd, Lithium-Ion		
Battery charger	Decentralised charger per module		
Communications			
User interface	1 x decentralised graphical LCD touch screen, plus additional LCD display with navigation buttons and status LEDs per module		
Communication ports	USB, RS-232, voltage-free contacts, SNMP (optional)		
Customer interface	Remote shutdown, gen-set interface, external bypass contact		
Compliance			
Safety	IEC / EN 62040-1		
EMC	IEC / EN 62040-2		
Performance	IEC / EN 62040-3		
Manufacturing	ISO 9001:2015, ISO 14001:2015, OHSAS 18001		
Weight/Dimensions			
Weight	2170 kg	2865 kg	3270 kg
Dimensions (of full product)	2235 x 1000 x 2000	3045 x 1000 x 2000	3045 x 1000 x 2000

Note: For reference, in selected territories the Kohler PowerWAVE MF1500 DPA is sold badged as the ABB MegaFlex DPA.