

Generating
Superior Solutions
for Energy and More

Hybrid Inverter
KAC(80~125)DP2
BluePulse Series

Power
80 / 100 / 110 / 125 kW



- DC- and AC-Coupled Solar + Storage Solutions
- Integrated STS with 10 ms Switching
- Supports up to 200% DC / AC Ratio

Hybrid Inverter Parameters

Product Specifications	KAC80DP2	KAC100DP2	KAC110DP2	KAC125DP2
PV Side				
MPPT Voltage Range	250 ~ 950 V (Max. 1000 V)			
MPPT Rated Voltage	720 V			
MPPT Rated Voltage (Full Load)	450 ~ 800 V	550 ~ 800 V	600 ~ 800 V	700 ~ 800 V
Max. PV Power	160 kWp	200 kWp	220 kWp	250 kWp
Startup Voltage	230 V			
Number of MPPT / Strings per MPPT	8 / 2			
Max. Input Current per MPPT	45 A			
Max. Short-Circuit Current per MPPT	60 A			
Max input PV Power	160 kW	200 kW	220 kW	250 kW
Battery Side				
Battery Voltage Range	200 ~ 950 V			
Battery Rated Voltage Range	250 ~ 850 V			
Max. DC Current	160 A (80 A x 2)			
Max. DC Power	88 kW	110 kW	110 kW	125 kW
Number of DC Inputs	2			
AC Side (On Grid)				
Nominal AC Output Power	80 kW	100 kW	110 kW	125 kW
Max. AC Output Power	88 kVA	110 kVA	121 kVA	125 kVA
Rated AC Output Current	116 A	144 A	159 A	181 A
Max.AC Input Current	240 A	250 A	250 A	250 A
AC Rated Voltage / Voltage Range	230 / 400 Vac; 220 / 380 Vac; 3L+PE+N; -15% ~ +10%			
Nominal Grid Frequency / Frequency Range	50 Hz / 60 Hz (±5 Hz)			
THDi	< 3% (100% Load)			
Adjustable PF Range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)			
Backup Output				
Nominal AC Voltage	230 / 400 V; 220 / 380 Vac; 3L+PE+N			
THDv	< 3% (Rated Power)			
Nominal Grid Frequency / Frequency Range	50 Hz / 60 Hz			
Nominal AC Output Power	80 kW	100 kW	110 kW	125 kW
Max. AC Output Power (Single-phase)	50 kW			
Max. Output Current	220 A			
Genset Input				
Max. Input Current	220 A			
Efficiency				
Max. Efficiency	98%			

Hybrid Inverter Parameters

Product Specifications	KAC80DP2	KAC100DP2	KAC110DP2	KAC125DP2
Protection				
Reverse DC Connection Protection		Yes		
Anti-Islanding Protection		Yes		
Over-Temperature Protection		Yes		
Grid Monitoring / Earthing Fault Detection		Yes		
Insulation Monitoring		Yes		
DC / AC Surge Protection		DC Type II; AC Type II		
Protective Class		Class I		
Active Anti-islanding Method		Power Variation		
Overvoltage Category		DC II; AC III		
AFCI		Optional		
General Parameters				
Dimensions (W x H x D)		1120 x 760 x 365 mm		
Weight		135 kg		
Topology		Non-isolated		
IP Protection		IP66		
Operation Temperature Range		-25 ~ 60°C (> 45°C Derating)		
Operation Humidity Range		0 ~ 100% (No Condensing)		
Cooling Method		Intelligent Air Cooling		
Max. Operation Altitude		4000 m (> 3000 m Derating)		
Communication Port		RS-485 / CAN		
Country of Manufacture		China		
Warranty		10 Years		