

RG10K-P3LA

3 Phase Inverter On-Grid/Off-Grid Hybrid Energy Storage



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Model	RG10K-P3LA
DC Input (PV)	
Max. photovoltaic Input Power	13000W
Max. DC Voltage	800V
Starting Voltage	160V
Rated Voltage	550V(160~800V)
MPPT Operating Voltage Range	200V ~650V
MPPT Quantity	2
Number of MPPT Strings Per Channel	2+1
Max. Input Current of Each MPPT	26A+13A
Max. Short-Circuit Current of Each MPPT	34A+17A
AC Output (Grid-Connected)	
Rated Power	10000W
Max. Apparent Power	11000VA
Rated Voltage	220/380Vac, 230/400Vac (three-phase)
Rated Frequency	50/60Hz
Max. Output Current	45 A
Power Factor	0.8 leading ~ 0.8 lagging
THDi	<3%
Grid Connection Type	3W+N+PE
Battery Input	
Battery Type	Lithium-ion battery/lead-acid battery
Operating Voltage Range	40V~60V
Max. Charge and Discharge Current	200A/200A
AC Output (Backup Power)	
Max. Output Power	10000W
Max. Apparent Power	11000VA
Max. Output Current	18.4A
Rated Voltage	220/380Vac, 230/400Vac (three-phase)
Rated Frequency	50/60HZ
THD	<3%
Switching Tme	<10ms
Efficiency	
Max. Efficiency	97.6%
European Efficiency	97.0%
MPPT Efficiency	99.0%

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Protection Facilities	
Photovoltaic Input Lightning Protection	Supported
Island Protection	Supported
DC Reverse Polarity Protection	Supported
Leakage Current Monitoring Protection	Supported
Output Overcurrent Protection	Supported
Output Short Circuit Protection	Supported
Output Overvoltage Protection	Supported
Surge Protection	Three-level lightning protection on DC side, three-level lightning protection on AC side
Overload Voltage Protection	Second level lightning protection on DC side, third level lightning protection on AC side
General Data	
Dimensions (Width*Height*Thickness)	422*702*281mm
Weight	37.5 kg
Range of Working Temperature	-40-60°C, >45°C derating
Night Time Power Consumption	100W
Topology	Transformerless design
Cooling Method	Smart cooling
Protection Level	IP65
Relative Humidity	10-90%
Altitude	2000m
DC Connection Type	MC4
AC Connection Type	Connector
Display Method	LCD color screen
Communication Interface: RS485/CAN	Supported/supported
Monitoring Interface: WiFi	Supported
Warranty Period: 5 years/10 years	Available/Optional
Certification	CE