



100

100% unbalanced output, each phase



AC couple to retrofit existing solar system

10

Max. 10 pcs parallel for on-grid and off-grid operation Support multiple batteries parallel

100

Max. charging/discharging current of 100A

H

High voltage battery, higher efficiency

Battery Voltage Range (V)	160-700			
Max. Charging Current (A)	50+50			
Max. Discharging Current (A)	50+50			
Charging Strategy for Li-ion Battery	Self-adaption to BMS			
Number of Battery Input	2			
PV String Input Data				
Max. DC Input Power (W)	38870	39000	45500	
Max. DC Input Voltage (V)	1000			
Start-up Voltage (V)	180			
MPPT Voltage Range (V)	150-850			
Rated DC Input Voltage (V)	600			
Max. Operating PV Input Current (A)	36+36+36	36+36+36	36+36+36	
Max. Input Short-Circuit Current (A)	55+55+55	55+55+55	55+55+55	
No.of MPPT Trackers/ No.of String Per MPPT Tracker	3/2+2+2			
AC Input/Output Data				
Rated AC Input/Output Active Power (W)	29900	30000	35000	
Max. AC Input/Output Apparent Power (VA)	29900	33000	38500	
Rated AC Input/Output Current (A)	45.4/43.4	45.5/43.5	53.1/50.8	
Max. AC Input/Output Current (A)	45.4/43.4	50/47.8	58.4/55.8	
Max. Three-phase Unbalanced Output Current (A)	60	60	60	
Max. Continuous AC Passthrough (grid to load) (A)	200			
Peak Power (off-grid) (W)	2 times of rated power, 10s			
Power Factor Adjustment Range	0.8 leading to 0.8 lagging			
Rated Input/Output Voltage/Range (V)	220/380V, 230/400V 0.85Un-			
Rated Input/Output Grid Frequency/Range	50Hz/45Hz-55Hz 60Hz/55Hz			
Grid Connection Form	3L+N+PE			
Total Current Harmonic Distortion THDi	<3% (of nominal power)			
DC Component of Grid	<0.5% In			
Efficiency				
Max. Efficiency	97.60%			
Euro Efficiency	97.0%			
MPPT Efficiency	>99%			
Equipment Protection				
Integrated	DC Polarity Reverse Connection Protection, AC Output Overvoltage Protection, AC Output Short Circuit Protection, DC Terminal Insulation Impedance Monitoring, DC Component Monitoring, Power Network Monitoring, Island Protection Monitoring, Earth Leakage Protection, Overvoltage Load Drop Protection, Residual Current (RCD) Protection			
Surge Protection Level	TYPE II(DC), TYPE II(AC)			
Interface				
Communication Interface	WIFI, RS485, CAN			
General Data				
Operating Temperature Range (°C)	-40 to +60°C, >45°C derating			
Permissible Ambient Humidity	0-100%			
Permissible Altitude	2000m			
Noise	≤65 dB(A)			
Ingress Protection(IP) Rating	IP 65			
Inverter Topology	Non-Isolated			
Over Voltage Category	OVC II(DC), OVC III(AC)			
Cabinet size (mm)	527W×894H×294D (Excluding Connectors)			
Weight (kg)	80			
Type of Cooling	Intelligent Air Cooling			
Warranty	5 Years/10 Years			