



Colorful touch LCD, IP65 protection degree



AC couple to retrofit existing solar system



Max. 16pcs parallel for on-grid and off-grid operation Support multiple batteries parallel



Max. charging/discharging current of 190A

Battery Voltage Range (V)	40-60
Max. Charging Current (A)	190
Max. Discharging Current (A)	190
Charging Strategy for Li-Ion Battery	Self-adaption to BMS
Number of Battery Input	1
<b>PV String Input Data</b>	
Max. DC Input Power (W)	10400
Rated PV Input Voltage (V)	500
Start-up Voltage (V)	125
MPPT Voltage Range (V)	150-425
Rated DC Input Voltage(V)	370
Max. Operating PV Input Current (A)	26+26
Max. Input Short-Circuit Current (A)	44+44
No.of MPP Trackers/ No.of Strings per MPP Tracker	2/2+2
<b>AC Output Data</b>	
Rated AC Output Active Power (W)	8000
Max AC Output Active Power (W)	8800
AC Output Rated Current (A)	36.4/34.8
Max. AC Output Current (A)	40/38.3
Max. Continuous AC Passthrough (A)	50
Peak Power (off grid)	2 time of rated power, 10 S
Power Factor Adjustment Range	0.8 leading to 0.8 lagging
Rated Input/Output Voltage/Range (V)	220/ 230 0.85Un-1.1Un
Rated Input/Output Grid Frequency/Range	50Hz/45Hz-55Hz 60Hz/55Hz
Grid Connection Form	L+N+PE
Total Harmonics Current Distortion (THDi)	<3% (of nominal power)
DC Current Injection	<0.5% In
<b>Efficiency</b>	
Max. Efficiency	97.60%
Euro Efficiency	96.50%
MPPT Efficiency	99.90%
<b>Protection</b>	
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
Over Voltage Category	TYPE II(DC), TYPE II(AC)
<b>Interface</b>	
Communication Interface	WIFI, RS485, CAN
<b>General Data</b>	
Operating Temperature Range (°C)	-40 to +60°C, >45°C derating
Permissible Ambient Humidity	0-100%
Permissible Altitude	2000m
Noise (dB)	≤30 dB
Inverter Topology	Non-Isolated
Weight (kg)	32
Cabinet size (mm)	420W x 670H x 233D (Excluding connectors)
Protection Degree	IP65
Type of Cooling	Intelligent Air Cooling
Warranty	5 Years/10 Years