

Single Phase LV 48V Solar Hybrid Inverter IP65, 2Mppt, Silicon Carbide, LCD Display 12000W, 2 Bat Port



Product Features



SiC Technology,
Max. Efficiency 98.2%



2 Independent Battery Ports for
Mixture Use of Old & New Battery



150-340% Grid Input Power,
Max. 60A Grid Input Current
Supplying to Loads & Charging
Battery in Paralle



Support 185-276V
AC Voltage Range
166-400% Overload



150%-200% PV Input Power,
3 MPPTs, PV Input Current 20A,
Higher Compatibility with
PV Panel



6 Units in Parallel
(Off-grid Mode)



Smart Fan, Ultra Silence
Fan Running since 50%
Rated Power Output



Executive Generator Port,
Smart Monitoring
Max. Generator Input
Current 80A



165mm Ultra-thin, IP65

Specification

p.n.	432007	432008	432009	432010
Off-grid Output				
Rated Output Power	6kW	8kW	10kW	12kW
Max. Output Power	6.6kVA	8.8kVA	11kVA	12kVA
Peak Power & Duration	20kVA(10s)*			
Max. Output Current	30A	40A	50A	54.5A
Rated Output Voltage	L/N/PE, 220V/230V/240V			
Switching Time	<10ms			
GEN Max. Current	82A	82A	82A	82A
GEN Voltage Range	185-276V(P2N)			
On-grid Parameter				
Rated Output Power	6kW	8kW	10kW	12kW
Max. Output Power	6.6kVA	8.8kVA	11kVA	12kVA
Max. Output Current	30A	40A	50A	54.5A
Max. Input Power	18kW			
Grid Frequency	50/60±5Hz			

Specification

p.n.	432007	432008	432009	432010
PV Input				
Max. Input Power	12000Wp	16000Wp	18000Wp	18000Wp
Max. Input Voltage		800V		
Number of MPPT		3		
Max. Input String Per MPPT		1/1/1		
MPPT Voltage Range		130-800V		
Starting Voltage		140V		
Max. Input Current		20A/20A/20A		
Short-Circuit Current		24A/24A/24A		
Battery Parameter				
Battery Type	Lithium-ion/Lead-Acid/Sodium-ion(optional)			
Number of Battery Input	2			
Battery Voltage Range	30-60V			
Battery Charging/ Discharging Current	125A*2			
Efficiency				
Max. Efficiency	98.20%			
European Efficiency	97.70%			
Max. Battery Charging/ Discharging Efficiency	95.00%			
General Data				
Size(W*H*D)	465mm*665mm*165mm			
Weight	36kg			
Noise	<45dB			
Operating Temperature	-25°C ~ +60°C (>45°C Derating)			
Operating Altitude	4000m (>3000m Derating)			
Cooling Method	Intelligent Air Cooling			
Ingress Protection Grade	IP65			
Topology	Isolation			
Communication Port	RS485*1, Wi-Fi/4G dongle*1, DO*2, DRM*1			
Protection	DC Switch; Reverse Polarity Protection; AC Overvoltage/Overcurrent/Short Circuit Protection; Anti-islanding Protection; Residual Current Monitoring; Insulation Resistance Detection; Surge Protection: DC Type II / AC Type III; AFCI(Optional); PID(Optional)			
Certification				
CE-LVD	IEC62109-1&2, IEC62477-1			
CE-EMC	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4 EN 61000-4-16, EN 61000-4-18, EN 61000-4-29			
Grid	VDE-AR-N 4105; VDE 0126-1-1 EN 50549-1; G98, G100; CEI 0-21; AS/NZS4777.2 NRS 097-2-1			

* Overload output is dependent on sufficient PV and battery energy