

Z5 SERIES

8.5 KVA 10.5 KVA

PV 10000 / PV13000
ON/OFF/MKS/KS SOLAR
HYBRID INVERTER



KEY SALIENT FEATURES

- ✓ Introducing 1st Time In Pakistan Real 6th Gen Inverter, Supporting high efficiency Mosfet, 3 Chopper
- ✓ Inverter supports Multiple operation modes (ON/OFF/MKS/KS)
- ✓ 100% Pure Sine Wave Solar Inverter
- ✓ Output power factor 1.0
- ✓ Battery equalizations in program (30) Record fault code feature in program (25)
- ✓ Adaptable to main Voltage/generator power
- ✓ Conformal coating to prevent from dust and humidity
- ✓ Grid-Tied net metering feature with 100% reverse grid feeding Builtin Zero export
- ✓ Built-in automatic electronics breaker for overload & short circuit protection
- ✓ Overload Protection on 120% Load Surge Capacity 2 Rated Power for 5 Seconds
- ✓ New Color Screen LCD function design with touch buttons
- ✓ Optional Wi-Fi available for IOS/Android devices
- ✓ Inverter running with battery & without battery
- ✓ 1 button restore setting options in program (00)
- ✓ Built-in anti dust for harsh environment
- ✓ Compatible with all kinds of Lithium Batteries
- ✓ 98% Real time sharing
- ✓ Battery charging current upto 360A (AC + Solar)
- ✓ MPPT Based Solar Charge Controller (180A)
- ✓ High PV input voltage range (90-550 VDC)
- ✓ Dual output for heavy and normal load
- ✓ Two PV port parallel based 32 A
- ✓ Multiple operation modes (On Grid/ Off Grid/Hybrid)
- ✓ European Design and Engineered in Taiwan



Wi-Fi DEVICE
OPTIONAL

Apple — Wi-Fi App — Android



ANTI DUST
PROTECTION



POWER
FACTOR 1.0



BATTERY
OPTIONAL



REVERSE
GRID FEEDING



WI-FI
FUNCTION



MPPT BASED
SOLAR CHARGE



DUAL PV PORT
PARALLEL BASED



GENERATION
INVERTER



LED STATUS
INDICATION



ON GRID-
OFF GRID & HYBRID

MODEL	Z5 - PV 10000	Z5 - PV 13000
Phase	1-Phase	
Maximum PV Input Power	10000W	13000W
Rated Output Power	8500W	10500W
Maximum Solar Charging Current	180A	180A
GRID-TIE OPERATION		
PV Input(DC)		
Nominal DC Voltage/Maximum DC Voltage	360VDC/500VDC	
Start-up Voltage/Initial Feeding Voltage	90VDC/120VDC	
Maximum DC Voltage	90~450VDC	
Number of MPPT Trackers/Maximum Input Current	TWO PV PORT PRARLLEL BASED 32A	
GRID OUTPUT(AC)		
Nominal Output Voltage	220/230/240VAC	
Output Voltage Range	195.5~253VAC	
Nominal Output Current	38A	47A
Power Factor	>0.99	
Feed-in Grid Frequency Range	49~51 1Hz	
EFFICIENCY		
Maximum Conversion Efficiency(Solar to AC)	98%	
TWO LOAD OUTPUT POWER(V2.0)		
Full Load	8500W	10500W
Maximum Main Load	8500W	10500W
Maximum Second Load(battery mode)	2833W	3500W
Main Load Cut Off Voltage	44VDC	44VDC
Main Load Return Voltage	54VDC	54VDC
OFF-GRID OPERATION		
AC INPUT		
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC	
Acceptable Input Voltage Range	90-280VAC or 170-280VAC	
Maximum AC Input Current	40A	50A
Nominal operating frequency	50/60Hz	
Surge power	17000W	21000W
PV INPUT (DC)		
Maximum DC Voltage	500VDC	
MPPT Voltage Range	90VDC~450VDC	
Number of MPPT Tracker/Max. Input Current	32A	
BATTERY MODE OUTPUT(AC)		
Nominal Output Voltage	220/230/240VAC	
Output Waveform	Pure Sine Wave	
Efficiency(DC to AC)	98%	
BATTERY & CHARGER Nominal DC Voltage	48VDC	48VDC
Maximum Charging Current (Solar to AC)	180A	
Maximum AC Charging Current	180A	
GENERAL		
PHYSICAL		
Dimension, D X W X H(mm)	420*310*110	
Net Weight(kgs)	14.2	14.5
INTERFACE		
Communication Port	Rs232/WIFI/GPRS	
ENVIRONMENT		
Operating Temperature.	-10~80 C	