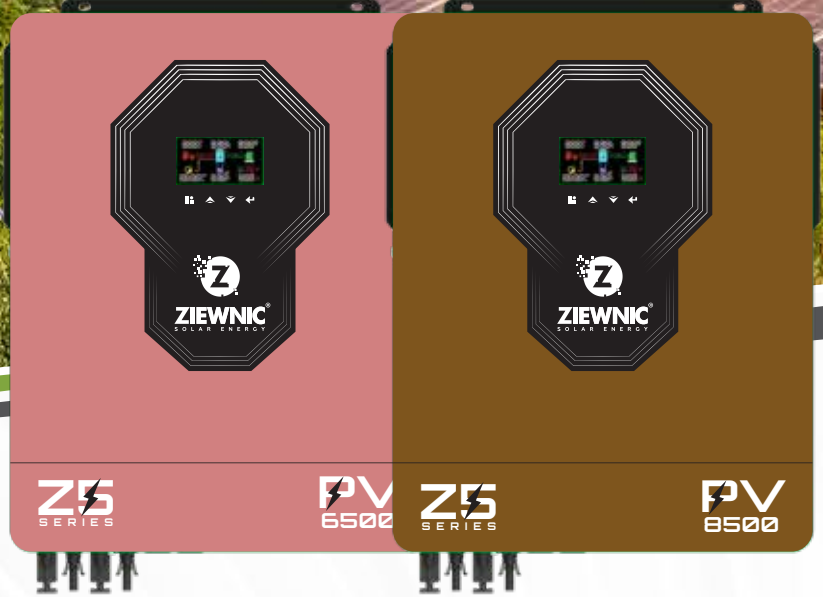


Z5 SERIES

4.5 KVA 6.5 KVA

PV 6500 / PV8500
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 280A (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



100%
REVERSE
GRID FEEDING



WI-FI
FUNCTION



180A
MPPT BASED
SOLAR CHARGE



32A
DUAL PV PORT
PARALLEL BASED



6th
GENERATION
INVERTER



RGB
LED STATUS
INDICATION



ON GRID-
OFF GRID & HYBRID

25

ZIEWNIC
Solar Energy

MODEL	Z5 - PV 6500	Z5 - PV 8500
Phase	1-Phase	
Maximum PV Input Power	6500W	8500W
Rated Output Power	4500W	6500W
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 PARALLEL BASED 32A	
GRID OUTPUT(AC)		
Nominal Output Voltage	220/230/240VAC	
Output Voltage Range	195.5~253VAC	
Output Voltage Range	>0.99	
Nominal Output Current	20A	49~51 1Hz 29A
Power Factor		
Feed-in Grid Frequency Range	98%	
EFFICIENCY		
Maximum Conversion Efficiency(Solar to AC)		
TWO LOAD OUTPUT POWER(V2.0)		
Full Load	4500W	6500W
Maximum Main Load	4500W	6500W
Maximum Second Load(battery mode)	1500W	2166W
Main Load Cut Off Voltage	22VDC	44VDC
Main Load Return Voltage	27VDC	54VDC
OFF-GRID OPERATION		
120-140VAC/180VAC		
AC INPUT		
90-280VAC or 170-280VAC		
AC Start-up Voltage/Auto Restart Voltage		
Acceptable Input Voltage Range	50/60Hz	
Maximum AC Input Current	30A	40A
Nominal operating frequency		
Surge power	9000W	13000W
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	24VDC	48VDC
Maximum Charging Current (Solar to AC)	180A	180A
Maximum AC Charging Current	100A	
GENERAL		
PHYSICAL		
Dimension, D X W X H(mm)	420*310*110	
Net Weight(kgs)	14,2	14.2
INTERFACE		
Communication Port	Rs232/WIFI/GPRS	
ENVIRONMENT		
Operating Temperature.	-10~80 Ca	