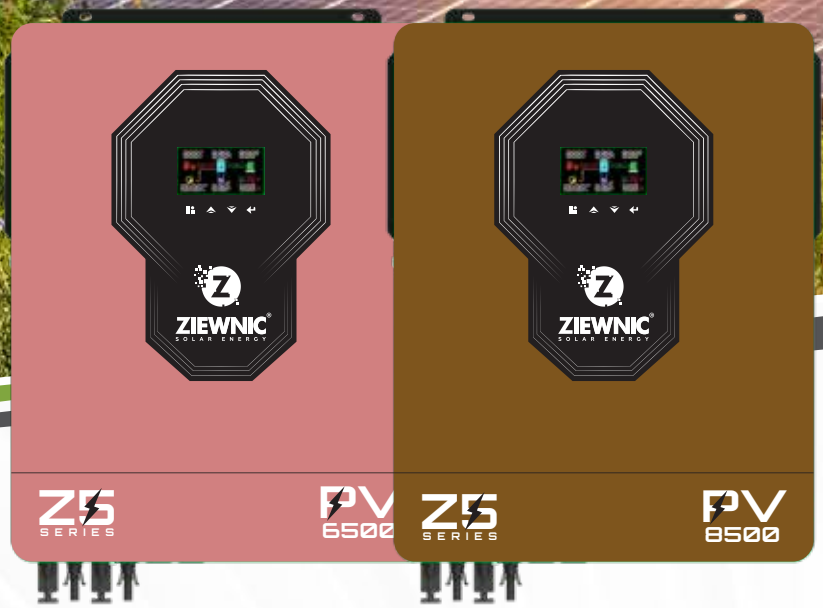
Z5 SERIES

4.5 KVA
6.5 KVA

PV 6500 / PV8500
ON/OFF/MKS/KS SOLAR HYBRID INVERTER

5 YEARS WARRANTY



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 equilizations 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 overlood & 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

Wi-Fi App

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

ZIEWNIC® Solar Energy

Z5 SERIES

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)		220/230/240VAC	
Nominal Output Voltage		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)		220/230/240VAC	
Nominal Output Voltage		Pure Sine Wave	
Output Waveform		98%	
Efficiency(DC to AC)			
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	