

# ZSMAX10.2K



- Inverter running without battery
- Built-in Lithium battery automatic activation
- Smart battery charge design to optimize battery life
- Built-in anti-dusk kit for harsh environment
- Pure sine wave solar inverter (On/off Grid)
- High PV input voltage range (90~500VDC)
- One-click restoration to factory Settings
- Built-in 160A MPPT solar charge

## TECHNICAL DATA

MODEL NAME	ZSMAX10.2K
Maximum PV Input Power	10200W
Rated Output Power	10200W/10200VA
Maximum Solar Charging Current	160A
<b>Grid-Tie Operation</b>	
Nominal DC Voltage / Maximum DC Voltage	360VDC / 500VDC
Start-up Voltage / Initial Feeding Voltage	90VDC / 120VDC
MPPT Voltage Range	90-450VDC
Number of MPPT Trackers / Maximum Input Current	2/18A
<b>Grid Output (AC)</b>	
Nominal Output Voltage	220/230/240VAC
Output Voltage Range	195.5-253VAC
Nominal Output Current	44.3A
Power Factor	>0.99
Feed-in Grid Frequency Range	49-51± Hz
<b>Efficiency</b>	
Maximum Conversion Efficiency (Solar to AC)	98%
<b>Two Load Output Power (V2.0)</b>	
Full Load	10200W
Maximum Main Load	10200W
Maximum Second Load (battery mode)	3400W
Main Load Cut Off Voltage	44VDC
Main Load Return Voltage	52VDC
<b>Off-Grid Operation</b>	
AC Start-up Voltage / Auto Restart Voltage	120-140VAC / 180VAC
Acceptable Input Voltage Range	90-280VAC or 170-280VAC
Maximum AC Input Current	50A
Nominal Operating Frequency	50 / 60Hz
Surge power	20400W
<b>PV Input (DC)</b>	
Maximum DC Voltage	500VDC
MPPT Voltage Range	90VDC~450VDC
Number of MPPT Trackers / Max. Input Current	2/18A
<b>Battery Mode Output (AC)</b>	
Nominal Output Voltage	48VDC
Output Waveform	Pure sine wave
Efficiency (DC to AC)	94%
<b>Battery &amp; Charger</b>	
Nominal DC Voltage	48VDC
Maximum Charging Current (Solar to AC)	160A
Maximum AC Charging Current	140A
<b>Physical</b>	
Dimension D*W*H (mm)	530*420*160mm
Net Weight (kgs)	15.0