

ENSERVER

TECHNICAL DATA SHEET

150KW-500VDC

Manufactured by



Model 100KW	
AC (On-Grid)	
Apparent Power	165kVA
Rated Power	150kW
Rated Voltage	400V
Rated Current	217A
Voltage Range	360V-440V
Rated Frequency	50/60Hz
Frequency Range	45~55/55~65Hz
THDI	<3%
PF	0.8 lagging~0.8 leading
AC Connection	3/N/PE
AC (Off-Grid)	
Apparent Power	165kVA
Rated Power	150kW
Rated Voltage	400V
Rated Current	217A
THDU	≤2% linear
Rated Frequency	50/60Hz
Overload Capability	110%-10 mins 120%-1 min
DC (Energy Storage System and PV)	
Max PV Open-Circuit Voltage	1000VDC
Recommended PV Power	150kWp
PV MPPT Voltage Range	480VDC-800VDC
Recommended Nominal ESS Voltage	420V
ESS Voltage Range	352-600V
Max. Charge/Discharge Power	150kW
Max. Charge/Discharge Current	425A

General Information	
Protection Degree	IP20
Noise Emission	<65dB(A)@1m
Operating Temperature	-25°C~+55°C
Cooling Method	Forced-air
Relative Humidity	0-95% Non-Condensing
Maximum Altitude	6000m Derate Above 3000m
Dimension(W/H/D)	1400/1900/800mm
Weight	1250kg
Build-in Transformer	Yes
Transfer between on/off grid	Automatic≤10ms
Standby consumption	<30W
Communication	
Display	Touch Screen
Communication	RS485/CAN
Certificate	
CE, MEA, PEA, EN 61000-6-4:2007+A1:2011, EN61000-6-2:2005, EN62109-1:2010, EN62109-2:2011, NRS 097-2-1:2017, VDE 0126, UTE-C, 15-712, EN 50549-1:2019, PSE:2018-12	

Features:

- All in one hybrid inverter
- Energy storage system, load, grid, solar connection all supported
- Programmable working mode
- Peak-shaving, back-up, use the system however you want it
- Scalable design
- Doubled capacity by paralleling 2 units
- Touchscreen LCD
- More convenient for parameter setting and maintenance
- Seamless transfer
- Uninterpretable power supply guaranteed
- Dry contact output
- Supports remote control of DG

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|---------------------------|----------------------------------|
| 1. PV breaker | 5. Load breaker |
| 2. PV controller | 6. Grid breaker |
| 3. Bidirectional Inverter | 7. Energy storage system breaker |
| 4. Transfer switch | |

