



**ENCAP
ENERGY SERVER**

SAMPLETEXT

ENERGY SERVER

500kW x 4 Units



FEATURES

- Flexible Configuration
Configurable with solar charge controller, bypass cabinet, or stand-alone
- Programmable working mode
Peak-shaving, backup, use the system however you want it
- Scalable
Applicable in MW-level systems by paralleling multiple units
- Touchscreen LCD
More convenient for parameter settings and maintenance
- Dry contact output
Supports remote control of DG

PERFORMANCE SPECIFICATIONS	
MODEL	500 KW
Apparent Power	550kVA
Noise(dB)	<65dB(A) @ 1m
Communication with BMS	RJ48/CAN
BATTERY INPUT DATA	
Battery Voltage Range(V)	500V - 820V
Max. Charging Current(A)	917A
Max. Discharging Current(A)	917A
Current Regulation	±1%
Voltage Regulation	±1%
Current Ripple	<2%
Voltage Ripple	<3%
AC (ON GRID)	
Rated Voltage	400V
Rated Current	722A
Voltage Range	360V-440V
Rated Frequency	50/60Hz
Frequency Range	45-55/55-65Hz
THDU	<3%
Power Factor	0.8 lagging to 0.8 leading
AC Connection	3/N/PE

AC (ON GRID)	
Rated Voltage	400V
Rated Current	722A
Rated Frequency	50/60Hz
Overload Capability	110%- 10 mins, 120% -1 min
THDU	<3%
EFFICIENCY	
Max. Efficiency	98.50%
PROTECTION	
PV Input Lightning Protection	Integrated
Anti-islanding Protection	Integrated
PV Input Lightning Protection	Integrated
Insulation Resistor Detection	Integrated
Residual Current Monitoring Unit	Integrated
Output Over Current Protection	Integrated
Output Shorted Protection	Integrated
Output Over Voltage Protection	DC Type II / AC Type III
Battery Over Current Protection	Fuses
ENVIRONMENT SPECIFICATIONS	
Operating Temperature	-25°C - 55°C
Relative Humidity	0-95% non- condensing
Cooling Method	Forced Air

MECHANICAL DIMENSIONS	
Size(mm)	1200W×1900H×800D
Weight(kg)	870
Installation Style	Wall-mounted
Maximum Altitude	6000m (Derate above 3000m)
Protection Degree	IP20

SAMPLE ENPACK TDS