

Nrgx Series

ESS20

ENERGY STORAGE SYSTEM

3 Phase Input / 3Phase Output



Applications:

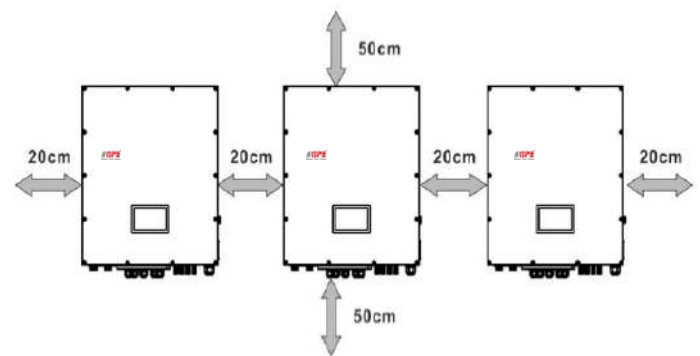
All Kinds of ADP Machine

Features :

- High Energy with Smaller Footprint
- Wall Mount Architecture
- Compact Design with Easy installation
- Suitable for Outdoor application (IP65 Protection)
- 7 Inches LCD Touch screen for Monitoring
- DSP Based Microprocessor Control High Frequency Design
- Pure Sine Wave Output
- Wide Input Voltage Range
- Inbuilt Cold Start & EPO Feature
- High efficiency ESS
(AC-AC mode >98%, Battery mode >95%)
- Fast charging capability (300A Charging Current)
- Auto-start Function
- Supports Paralleling up to 6 units
- Advanced Battery Management for Longer Battery life
- Li-ion / SMF Battery Compatibility
- Solar Input Compatible
- Smart Priority selection to PV/Grid/Battery (configurable)
- Generator Compatible
- IoT Compatible with Wifi/Bluetooth Monitoring



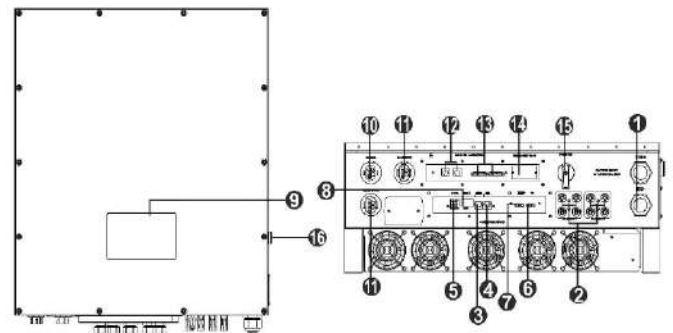
7 Inches LCD Touch Screen Display



Parallel Operation with Minimum Footprints (up to 6 units)

Product Overview :

- | | |
|------------------------------|---------------------------------|
| 1. Battery connectors | 10. AC Grid connectors |
| 2. PV connectors | 11. AC output connectors |
| 3. RS-232 communication port | 12. Parallel communication port |
| 4. BMS | 13. Current sharing port |
| 5. Dry contact | 14. Intelligent slot |
| 6. EPO | 15. DC switch |
| 7. Battery thermal sensor | 16. Cold start button |
| 8. USB communication port | |
| 9. LCD display panel | |



Model	ESS3320L4
Capacity	Safe Loading Capability Up to 15kW
INPUT	
Nominal Voltage	380V/400V/415V AC (3P+N+PE)
Operating Voltage Range	184V~265V AC Per Phase
Operating Frequency Range	50 / 60 Hz $\pm$ 10% (Auto Sensing)
OUTPUT	
Output Voltage (Grid)	Same as Input Voltage 184V~265V AC Per Phase
Output Voltage (Battery)	380V/400V/415V AC (3P+N+PE)
Output Frequency	50/60 Hz $\pm$ 0.1 Hz Battery Mode
Crest Factor	3:1
Efficiency	>98% AC-AC Mode, >95% Battery Mode
BATTERY	
DC Voltage	48V DC
Charging Current	Max. 300A (Configurable)
PV INPUT	
Rated Power	22500 W
Maximum Voc	1000V DC
MPPT Voltage Range	350V~900V DC
Maximum PV current	26A + 26A
SYSTEM FEATURES	
LCD Indication	Input Voltage/Frequency, Output Voltage/Frequency, Battery Voltage, Load Watt/VA and %, Temperature, Operation Mode such as "On Grid", "ON Batt", On "PV", Battery, Load Bar graph, Mimic diagram & System fault Codes
LED Indication	Grid Mode, PV Mode , Battery Mode and Fault Condition
Alarms / Protection	Mains failure, Battery Low, DC High, Inverter Under/Over Voltage, Over Load, Short Circuit, Over Temperature and System Fault
Overload Capability	>105% Continuous, <125% for 10min, <150% for 1 minute
Transfer Time	6~10ms (Typically from Grid Mode to Battery Mode)
ENVIRONMENTAL	
Temperature	-25 to 60°C (Power derating above 45°C)
Humidity / Altitude	0~95% RH Non-condensing / <1500 M
Noise / IP Protection	<55dBA / IP65 (outdoor)
STANDARDS	
Quality	ISO 9001, ISO 14001, ISO 27001, ISO 45001, ISO 50001, RoHS
Safety / EMC / Performance	IEC/EN62040-1; IEC/EN62040-2; IEC/EN62040-3, Complying to CE
PHYSICAL	
Dimension WxDxH (mm)	660x255x750
Weight (Kg)	73
COMMUNICATION INTERFACE	
Standard	RS232, USB, EPO, Parallel Port
Optional	SNMP / Modbus / IoT / BPE Cyber / CAN / WI-FI

*Conditions Apply

Specifications are subject to change without prior notice.

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