



SINGLE PHASE HYBRID INVERTER

PSE-DUAL-8KW

NEXA SERIES



110% overload output
(1.3times \leq 60s)



Support dry contact
starting generator



Normal operation of
only-connection PV panels



UPS switch
over time $<$ 10ms



Up to 2 times input



Dual back up output

Max
18

The maximum current of
a single string module is 10A



Supports a maximum of
16 single-phase units



Support APP Online
Operation & Maintenance

NEXA Series



< 10 ms
10ms Switching

Battery Side High Frequency Transformer Isolation, Safe And Reliable

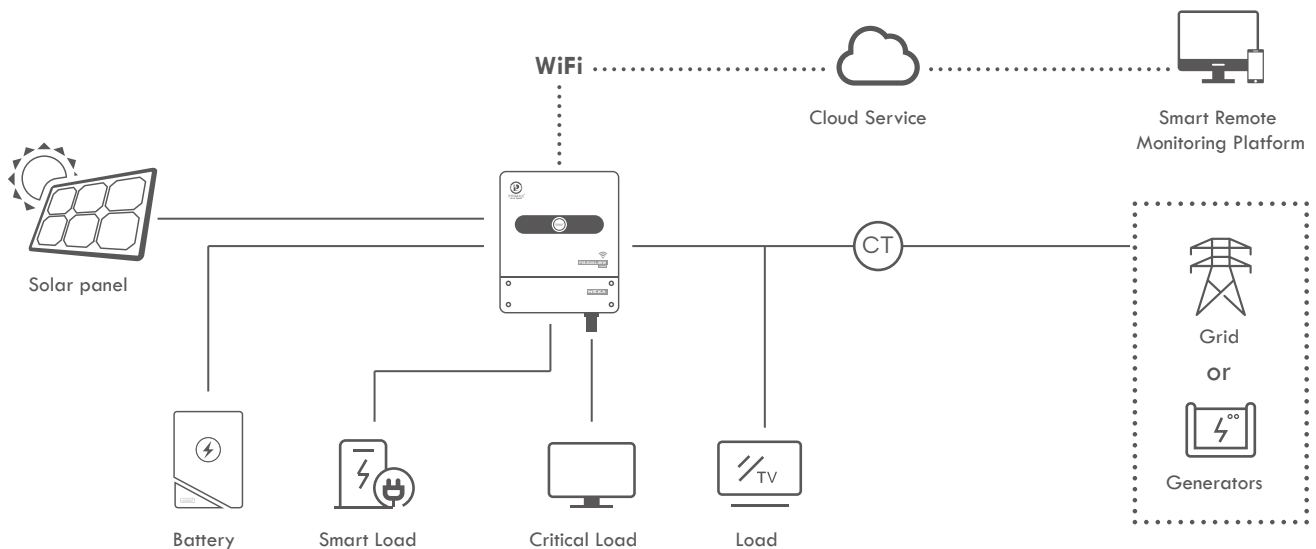
Support Battery Charging/Discharging According To The Time Setting

PV Input Reverse Polarity Protection

Output Over Current/Voltage Protection

The Battery Charge and Discharge Current Up to 120A

Solution Diagram



PSE-DUAL-8KW

PV INPUT		
Max. DC input power	[W]	12000
Max. DC input voltage	[V]	500
MPPT voltage range	[V]	150-450
Starting voltage	[V]	125
Max. input current	[A]	30/18
Max. short circuit current	[A]	37.5/22.5
Number of MPP trackers		2
Strings per MPP tracker		2/1
AC OUTPUT (GRID)		
Rated output power	[W]	8000
Max. output apparent power	[VA]	8800
Rated output voltage	[V]	220/230/240
Rated output frequency	[Hz]	50/60
Max. output current	[A]	40
THDi		<3%
Output power factor		-0.8 leading~+0.8 lagging
AC OUTPUT (TWO BACKUP)		
Full Max. output power	[W]	8000
Rated output voltage	[V]	220/230
Rated output frequency	[Hz]	50/60(±0.2%)
Back up1 Max. output power	[W]	8000
Back up2 Max. output power	[W]	8000
Output Power Factor(off grid)		-0.8 leading~+0.8 lagging
Output Current Harmonic Distortion		THD<3%(Nonlinear load); THD<1.5%(Linear load)
Max. output current	[A]	40
BATTERY PARAMETERS		
Battery Type		Lithium or lead acid battery
Rated battery voltage	[V]	48
Voltage range	[V]	44-57
Max. charge/discharge current	[A]	190
BMS communication		CAN/RS485
EFFICIENCY		
Max. efficiency(PV)		97.6%
Max. efficiency(cell)		94.5%
European efficiency		97%
PROTECTION		
PV input reverse polarity protection		Yes
PV insulation resistance detection		Yes
Residual current detection		Yes
Output over current protection		Yes
Output short circuit protection		Yes
Output over voltage protection		Yes
OTHERS		
Operating temperature range	[°C]	-25~60
Storage temperature range	[°C]	-30~65
Humidity range		0~95%
Operating altitude	[m]	≤4000
Communication		RS485/CAN/WiFi/Ethernet/4G
Noise (db)	[db]	<25
Size (W×H×D)	[mm]	424*555*197
Weight	[kg]	19
STANDARD		

EN 62109-1/2, IEC 62109-1/2, EMC 61000, EN50549, VDE 4105/0124, NRS 097-2-1, IEC61727/62116/61683