

Three-phase low voltage energy storage inverter



Application scenario

Three-phase low-voltage energy storage inverters can also be applied to military, communications, factories and enterprise uninterruptible power systems and other fields. In these areas, inverters can also play to the advantages of their efficient energy conversion and stable output characteristics to provide a reliable power supply for various equipment and systems.

Product characteristics

- The maximum charging and discharging current of the battery is 210A
- Support three-phase unbalanced load
- Ac input and load output support up to 20kW
- Rack-mounted design for easy battery integration
- Support 4 parallel machines
- Backflow support

Product Parameters

Model	PCS1-10K3P-LV
Battery Port	
Battery type	Lithium iron phosphate battery
Battery voltage rSange [V]	42~58
Rated voltage [V]	51.2
Maximum charge and discharge current [A]	210
Communication interface (for BMS)	CAN/RS485
AC Output (grid-connected)	
Rated AC power [VA]	10000
Maximum output power [VA]	11000
Rated grid voltage [V]	3P4W. 220/380
Rated network frequency [Hz]	50/60
Maximum AC output phase current (Hybrid) [A]	30.3
Maximum AC output phase current (off grid) [A]	30.3
Maximum AC phase current [A]	16.7
Power factor	-0.8~0.8
Total harmonic distortion of current (THDi. Rated power)	<3%
AC Output (Off-grid)	
Maximum AC output power (Hybrid) [VA]	20000
Maximum AC output power (off grid) [VA]	11000
Rated output voltage [V]	3P4W. 220/380V
Rated frequency [Hz]	50/60
Rated AC phase current [A]	15.2
AC Input (Grid-connected)	
Maximum AC input power [VA]	20000
Maximum AC input phase current [A]	30.3
Grid phase voltage range [V]	198~2421/
Grid frequency [Hz]	50/60
Efficiency	00,00
Maximum efficiency of rectification	95%
Inverter maximum efficiency	95%
Environment	
Class of protection	IP20
Operating temperature range [°C]	-20~60°C
Humidity [%]	0-95%
	3000m
Storage temperature range [° C]	-40~80°C
	<65dB
	PD3
Lightning protection class	OVC II(AC side) OVC I(DC side)
Protection	
	Voc
	Vec
	Vec
	Ves (Coffuero L possible fuero protection)
Ac short circuit/overcurrent/overculters/overload	
Ac short circuit/overcuitent/overvoltage/overload	Yes
Char	Adaptive phase sequence
	C01*400*20 ····
Size (W n D) [mm]	
Installation mode	каск type
Heat dissipation mode	
Communication interface	К5485
Number of parallel machines	Four channels



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