



JTES-PCS100K-1000/400-L05C1,

JTES-PCS125K-1000/400-L05C1

Data sheet

Product technical specifications

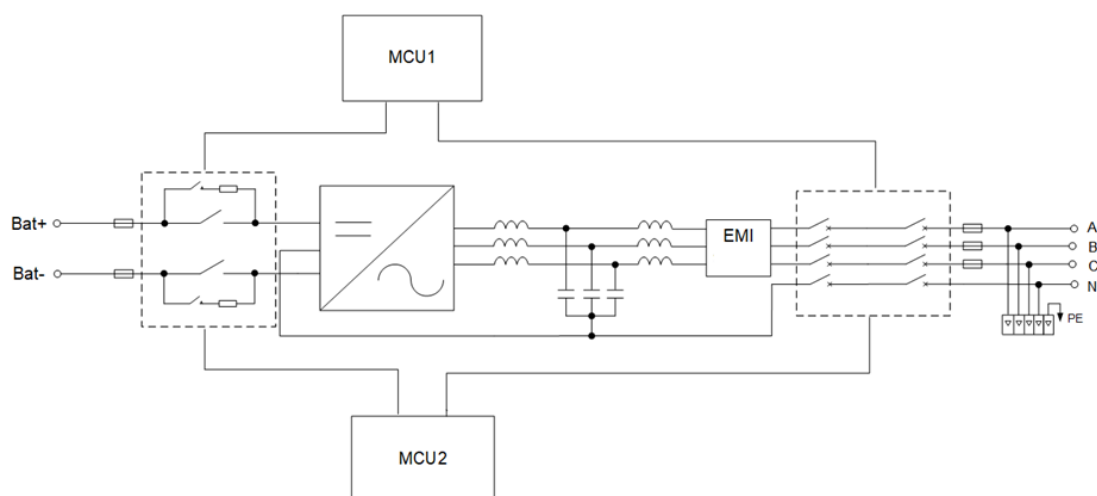
SPECIFICATION	JTES-PCS125K-1000/400-L05C1	
	Maximum DC Current	202A
	Maximum DC voltage	1000Vdc
	Range of input operating voltage with full power	680~1000Vdc
	Rated conditional short-circuit current [Ad.c.]	5.22 kA
	Overvoltage Category (OVC)	II
GRID SIDE PARAMETERS (grid-connected)	Rated apparent power	125kVA
	Maximum power	137.5kW
	Rated AC Current	180A
	Maximum Current	198A (1.1 times rated current for long-term operation) 217A (1.2 times the rated current run for 1min)
	Grid Connection Type	3P+N+PE
	Power Factor Range	>0.99 (Rated apparent power) - 1 ~ +1
	Rated Grid Voltage	230/400Vac
	Operating voltage range	340 ~ 440Vac
	Rated Grid Frequency	50/60Hz
	Overvoltage Category (OVC)	III
	Off grid switching time	<20ms
	THDI At Rated Power	<3% (Rated Condition)
	DC Component	<0.5%
SYSTEM PARAMETER	Maximum Efficiency	98.3% (Subject To Actual Measurement)
	The short-circuit current (Icc)	<10kA
	External Protective Device (circuit breaker)	250A/400Vac (line voltage)
	Overload Capacity	1.1 times rated long term
	Ambient Temperature	-20°C~ +50°C
	Permissible Humidity Range	0%~95%
	Maximum Operation Height	≤2000m

	Noise	1 meter away from the horizontal position of the equipment, $\leq 70\text{dB}$
	Cooling Function	Liquid Cooling
	Maximum Coolant Temperature	$\leq 45^{\circ}\text{C}$
	Coolant ratio	50% glycol solution
	HVRT/LVRT	support
	Communication Interface	RS-485; Ethernet; CAN
	Communication Protocol	CAN / Modbus-TCP/RTU
	Weight	125 kg
	Protective IP	IP65
	Protective Class	Class I
	Intended environment	In Door (unconditioned)
	Active anti-islanding method	Frequency shift
Connect Location	Installation Method	Drawer Type
	DC Power	Front Connection, Heavy-duty Terminal
	AC Power	Front Connection, Heavy-duty Terminal
	Communication	Connection, Terminal/RJ45
	Battery type	Li-ion batteries
	Isolation type	Non-Isolated
	Liquid	Front Panel
	Dimension	W680mm*H240mm*D850mm

SPECIFICATION	JTES-PCS100K-1000/400-L05C1	
DC SIDE PARAMETERS	Maximum DC Current	162A
	Maximum DC Voltage	1000Vdc
	Range Of Input Operating Voltage with Full Power	680~1000Vdc
	Rated conditional short-circuit current [Ad.c.]	5.22 kA
	Overvoltage Category (OVC)	II
GRID SIDE PARAMETERS (grid-connected)	Rated Apparent Power	100kVA
	Maximum Power	110kW
	Rated AC Current	144A
	Maximum Current	159A (1.1 times rated current for long-term operation) 173A (1.2 times the rated current run for 1min)
	Grid Connection Type	3P+N+PE
	Power Factor Range	>0.99 (Rated apparent power) - 1 ~ +1
	Rated Grid Voltage	230/400Vac
	Operating Voltage Range	340 ~ 440Vac / -15% ~ +10%
	Rated Grid Frequency	50/60Hz
	Overvoltage Category (OVC)	III
	Off grid switching time	<20ms
	THDI At Rated Power	<3% (Rated Condition)
	DC Component	<0.5%
SYSTEM PARAMETER	Maximum Efficiency	98.3% (Subject To Actual Measurement)
	The short-circuit current (Icc)	<10kA
	External Protective Device (circuit breaker)	250A/400Vac (line voltage)
	Overload Capacity	1.1 times rated long term 1.2 times rated operation for 1min
	Ambient Temperature	-20℃~+50℃
	Permissible Humidity Range	0%~95%
	Maximum Operation Height	≤2000m
	Noise	1 meter away from the horizontal position of the equipment, ≤70dB
	Cooling Function	Liquid Cooling
	Maximum Coolant Temperature	≤45℃
	Coolant ratio	50% glycol solution

	HVRT/LVRT	support
	Communication Interface	RS-485; Ethernet; CAN
	Communication Protocol	CAN / Modbus-TCP/RTU
	Weight	125 kg
	Protective IP	IP65
	Protective Class	Class I
	Intended environment	In Door (unconditioned)
	Active anti-islanding method	Frequency shift
Connect Location	Installation Method	Drawer Type
	DC Power	Front Connection, Heavy-duty Terminal
	AC Power	Front Connection, Heavy-duty Terminal
	Battery type	Li-ion batteries
	Isolation type	Non-Isolated
	Communication	Connection, Terminal/RJ45
	Liquid	Front Panel
	Dimension	W680mm*H240mm* D850mm

Inverter topology



Manufacturer Information

Manufacturer: JingTsing Technology Ltd.

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Declaration of Country of Origin

We hereby declare that all the aforementioned products are manufactured in the People's
Republic of China.