

Model		INPPCS-125/0.4-W-14-A2-OS	INPPCS-100/0.4-W-14-A2-OS
Series name		INPPCS-125/100 Series	
DC Side	Max. DC voltage [Vd.c.]	1000	1000
	Min. DC voltage [Vd.c.]	600	600
	Full load DC voltage range [Vd.c.]	630V-950V	630V-950V
	Max. DC current [Ad.c.]	217	174.6
	Rated DC power [kW]	125	100
	Rated DC Input/Output current[Ad.c.]	198	158.7
	Max. DC power [kW]	137.5	110
	Overvoltage Category(OVC)	II	II
AC Side (Grid)	AC rated Input /Output active Power P_E [kW]	125	100
	AC rated Input /Output apparent Power P_E [kVA]	125	100
	Max. AC rated Input /Output apparent Power P_E [kVA]	137.5	110
	Rated. AC Input/Output current[Aa.c.]	180	144.3
	Max. AC Input/Output current [Aa.c.]	198	158.7
	Nominal AC voltage U_r [Va.c.]	3L/N/PE, 400 /230	3L/N/PE, 400 /230
	AC voltage tolerance	-15%-+15%	-15%-+15%
	Nominal frequency/Frequency F_{NETZ} [Hz]	50 /60	50 /60
	Harmonic (THDi)	$\leq 3\%$ (at nominal Power), Linear load	$\leq 3\%$ (at nominal Power), Linear load
	Power factor	-0.99-+0.99, At nominal Power	-0.99-+0.99, At nominal Power
	Adjustable reactive Power range	-100%–100%	-100%–100%
	Overvoltage Category(OVC)	III	III
	Rated conditional short-circuit current [Aa.c.]	10k	10k
AC Side (Off Grid)	Nominal AC voltage U_r [Va.c.]	3L/N/PE, 400 /230	3L/N/PE, 400 /230
	AC voltage tolerance	AC 400 V $\pm 3\%$	AC 400 V $\pm 3\%$
	AC rated Input /Output apparent Power P_E [kVA]	125	100
	Rated. AC Input/Output current[Aa.c.]	180	144.3

	Max. AC Input/Output current [Aa.c.]	198	158.7
	Harmonic THDu	$\leq 3\%$, Linear load	$\leq 3\%$, Linear load
	DC voltage component	$< 0.5\%$, Linear load	$< 0.5\%$, Linear load
	Unbalance load capacity	100%	100%
	Nominal frequency/Frequency F _{NETZ} [Hz]	50 /60	50 /60
System parameters	Max. efficiency	$> 99\%$	$> 99\%$
	Communication	RS485, CAN, Ethernet	RS485, CAN, Ethernet
	Enclosure Dimensions (W * H * D)	520mm x 240mm x 680mm	520mm x 240mm x 680mm
	Weight	70 kg	70 kg
	Degree of protection	IP20	IP20
	Operating ambient temperature [°C]	-30-60°C ($\geq 50^\circ\text{C}$ derating)	-30-60°C ($\geq 50^\circ\text{C}$ derating)
	Allowable relative humidity	RH $\leq 95\%$	RH $\leq 95\%$
	Cooling method	Forced air cooling	Forced air cooling
	Max. operating altitude	4,000 m ($> 2,000$ m derating)	4,000 m ($> 2,000$ m derating)
	Protective class	I	I
	Pollution degree	2	2
	Inverter topology	non- isolated	non- isolated
	Active anti-islanding method	Frequency shift	Frequency shift
	Country of manufacture	China	China

1) This product is suitable for lithium batteries, but not for lead-acid batteries.

