Optimal design for Best PV System

Photovoltaic Inverter

Specification >>

			LSP-S003LM	LSP-S004L(JP)	LSRP-T010L / LSRP-T013L LSRP-T017L / LSRP-T020L
Electric Feature	Phase		1 Phase	1 Phase	3 Phase
	Operating Method		Grid Tied Type	Grid Tied Type	Grid Tied Type
	Topology		Transformer-less	Transformer-less	Transformer-less
	Input (DC)	Max. Power	3kW	4kW	11 / 13.6 / 18.1 / 21.2kW
		MPPT Range	150~600Vdc	100~370Vdc	380~850Vdc / 420~850Vdc 445~850Vdc / 480~850Vdc
		Max. Voltage	600Vdc	370Vdc	1000Vdc
		Max. Current	15A	16A	29 / 30 / 38.5 / 41A
		No. of DC-connections	3	2	4 / 4 / 6 / 6
	Output (AC)	Rated Power	3kW	4kW	10 / 12.4 / 16.5 / 19.2kW
		Rated Voltage	193~242Vac	190~214Vac	400Vac + N
		Rated Current	15A	20A	18 / 18 / 29 / 29A
		Frequency	50/60Hz	50/60Hz	50~60Hz
		Current Distortion	3% less	3% less	2.5% less
		Control Method	PWM	PWM	PWM
		Power Factor	99% more	99% more	95% more
		Max. Efficiency (Euro. Efficiency)	94.5% (92.5%)	95.5% (JIS C 8961 94.5%)	98.0% (97.4%) / 98.0% (97.5%) 98.0% (97.8%) / 98.2% (97.8%)
System Feature		Dimension (W X H X D)	340×458×217	470×280×137	535×601×277
		Weight (kg)	18.7	14.1	39
		Cooling	Air Cooling	Natural Convection	Natural Convection
		Enclosure	IP54	IP20	IP65
		Communication	RS-485	RS-485	RS-485
		Temperature	-20℃ ~ 50℃	-10℃ ~ 40℃	-25℃ ~ 55℃
Certificates & Standards			KEMCO(Korea Only)	JET(Japan Only)	CE, VDE0126, DK5940, EN50438, RD1663, RD661
Protection			Input under/over voltage, Grid under/over voltage, Input/output over current, Grid frequency fault, System overheat, etc.		

The product image and specification can be changed to improve the performance without notice.

			LSP-T030LT LSP-T050LT	LSRP-T100LT	LSRP-T500L LSRP-T630L	LSRP-T10HL LSRP-T13HL
Electric Feature	Phase		3 Phase	3 Phase	3 Phase	3 Phase
	Operating Method		Grid Tied Type	Grid Tied Type	Grid Tied Type	Grid Tied Type
	Topology		Transformer	Transformer	External Transformer	External Transformer
	Input (DC)	Max. Power	30 / 50kW	115kW	575 / 725kW	2×575 / 2×725kW
		MPPT Range	370~800Vdc	460~800Vdc	460~850Vdc	460~850Vdc
		Max. Voltage	900Vdc	850Vdc	950Vdc	950Vdc
		Max. Current	80 / 133A	240A	1000 / 1300A	2×1000 / 2×1300A
		No. of DC-connections	2 / 2	1	12 / 16	12 / 16
	Output (AC)	Rated Power	30/50 kW	100kW	500 / 630kW	1000 / 1300kW
		Rated Voltage	380/400Vac	400Vac + N	315Vac + N	315Vac + N
		Rated Current	46/76A	158A	920 / 1220A	2X920 / 2X1220A
		Frequency	50/60Hz	50~60Hz	50~60Hz	50~60Hz
		Current Distortion	3% less	3% less	3% less	3% less
		Control Method	PWM	PWM	PWM	PWM
		Power Factor	99% more	90% more	90% more	90% more
		Max. Efficiency (Euro. Efficiency)	96% more (94% more)	96% more (95% more) With transformer	98.1% more(97.6% more) Without transformer	98.1% more(97.6% more) Without transformer
System Feature		Dimension (W X H X D)	750×1700×800 (Wheel is excluded)	1200×2000×600	2800 X 2000 X 600 / 2800 X 2190 X 600 Additional Cooling Unit : 600 X 2000+200[1] X 800+160[2]	[2800 X 2000 X 600] X 2 / [2800 X 2190 X 600] X 2 Additional Cooling Unit : 600 X 2000+200[1] X 800+160[2]
		Weight (kg)	530/670	860	1800	3600
		Cooling	Air Cooling	Air Cooling	Liquid Cooling	Liquid Cooling
		Enclosure	IP21	IP21	IP43 or IP54(Option) / IP54	IP54
		Communication	RS-485	RS-485, USB	RS-485, USB	RS-485, USB
		Temperature	-10℃ ~ 50℃	-10℃~ 45℃	-20℃~ 50℃	-20℃ ~ 50℃
Certificates & Standards			CE, ENEL in preparation	CE (DK5940, RD1663 in preparation)	CE	CE
Protection			Input under/over voltage, Grid under/over voltage, Input/output over current, Grid frequency fault, System overheat, etc.			

1) Base for water connections disappearing or removable 2) Control of cooling

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