

Technical Specifications & Product Overview

► Transformer-less Type

Model		Specifications				
		HPC-004SL (for Japan)	HPC-100HL-E	HPC-125HL-E	HPC-250HL-E	HPC-500HL-E
System Overview	Phase	1-Phase	3-Phase	3-Phase	3-Phase	3-Phase
	Output Operating Method	Grid-Tied Inverter	Grid-Tied Inverter	Grid-Tied Inverter	Grid-Tied Inverter	Grid-Tied Inverter
	Design Concept	Transformerless				
Input Data	Max. Input Voltage	390Vdc	880Vdc	880Vdc	900Vdc	900Vdc
	Nominal Voltage	250Vdc	635Vdc	635Vdc	650Vdc	650Vdc
	MPPT Voltage Range	100~380Vdc	450~820Vdc	450~820Vdc	450~820Vdc	450~820Vdc
	Max. Input Current	25Adc	234Adc	292Adc	625Adc	1,140Adc
Output Data	Nominal AC Power	4kW	100kW	125kW	250kW	500kW
	Nominal AC Voltage	202V, +10%/-12%	290V, +10%/-12%		275V, +10%/-12%	275V, +10%/-12%
	Nominal AC Current	19.8A	199A	249A	540A	1,050A
	Nominal AC Frequency	50Hz/60Hz				
	THD of AC Current	< 5% Total (<3% Individual) at rated power				
System Specifications	Max. Efficiency	95.0%	98.0%	98.0%	98.0%	98.0%
	European Efficiency	94.5%	97.7%	97.7%	97.6%	97.5%
	Power Factor	>0.95	>0.99	>0.99	>0.85	>0.85
	Protection Degree	IP20	IP20	IP20	IP20	IP20
	Operating Temperature	-10°C~40°C	-10°C~40°C	-10°C~40°C	-20°C~45°C	-20°C~45°C
Dimensions	Width/Depth/Height[mm]	480/120/280	1,000/800/2,095	1,000/800/2,095	1,800/750/2,150	2,600/800/2,080
	Weight	14kg	800kg	800kg	1,170kg	1,550kg
Protective Functions		DC Over-/Under-Voltage, AC Line Over-/Under-Voltage, AC Line Frequency Failure, AC Line Failure, Anti-Islanding Protection, Overheating				

※ Specifications subject to change without prior notice.