Solar inverter with "Air-conditioner Free" for Outdoor Use
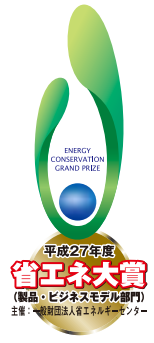
First time in the World! Achieved "Air-conditioner Free"Salt Tolerant Sealing Structure. Newly Released 3 Models with Different Voltage Ranges of Operational Direct Current for using with various system configurations.

ENERGY CONSERVATION GRAND PRIZE

平成27年度 省エネ大賞 (製品・ビジネスモデル部門) 主催・一般財団法人省エネルギーセンター

2016 Energy Conservation Award (Product and Business Model Dept.)
Main organizer: The Energy Conservation Center, Japan

NEW

P500JHL2-A01 / P500JHL2-B01 / P500JJL2-B01

Comparison of operational ranges

Direct current

Vdc			
1000			
850			
750			
530			
460			
430			
400			

P500JHL2-A01   P500JHL2-B01   P500JJL2-B01

Features

P500JHL2-B01: To be used under low pressure under 750Vdc
P500JJL2-B01: To be used under operating high pressure up to 1000Vdc

Compatible with various system configurations with the newly added 3 "air-conditioner free" with different voltage ranges of operational direct current

Achieved the industry highest conversion efficiency of 98.8%(P500JHL2-A01)
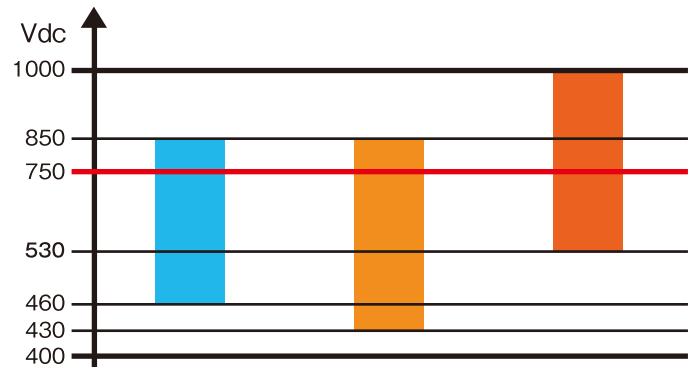
Applied Air-heat exchange(HEX)cooling system. Drastically reduced running cost as compared to the existing Air-con systems.

Minimized spare parts
- Applied long lasting parts to the main circuit
- No need of dust filter due to the sealed structure

The stainless salt resistant sealing structure with excellent weather resistance enabled installation in the salt damage region.

Comparison of cooling systems

Existing cooling system — Salt resistant outdoor case — Air-con — Power computer (Heating elem) — Outdoor unit

Air-heat exchange (HEX) cooling system — Salt resistant sealed case — Power computer (Heating elem) — Indoor air — Outdoor air — Air heat exchanger
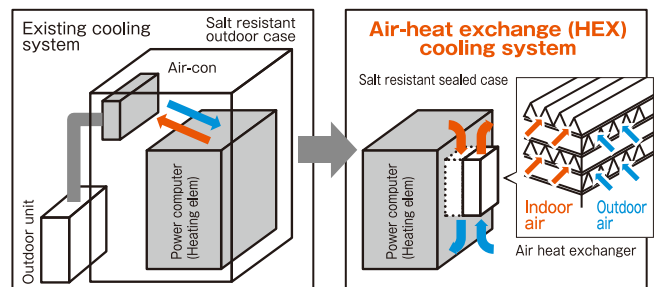
Standard specification

Type	P500JHL2-A01	P500JHL2-B01	P500JJL2-B01
Output capacity		500kW	
Location of placement		Outdoor	
Insulation system		Tolerance	
Maximum input voltage		1000Vdc	
Range of operational direct current voltage	460～850Vdc	430～850Vdc	530～1000Vdc
Rated output voltage	300Vac	290Vac	360Vac
Frequency		50/60Hz	
Power conversion efficiency (maximum efficiency)[1]	98.8%	98.3%	98.6%
Dimension (W)x(D)x(H)		2400×1100×2210mm	
Approximate mass		1950kg	
FRT function		○	
Recorder function[2]		○	
Order taking time		Now on sale	

[1] Excluding the damage to the auxiliary machine [2] The data storage function to save the system state within the time period before and after the occurrence of system error/system's internal information. The information is as of March 2016. Please note that the information stated here may be changed with no prior notice.

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