

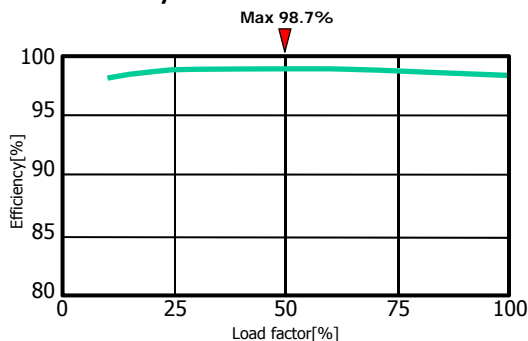
Power Conditioning System for Large scale Solar Power Plants

■ Overview

HIVERTER-NP201i provides the ideal solution for photovoltaic (PV) power generation systems thanks to its large capacity and outstanding efficiency.

■ Features

- ✓ Outstanding efficiency thanks to its internal isolating transformer-less method.
- ✓ Operates with high efficiency even under low power range.
- ✓ Efficiency curve



For the optimization of PV arrays, Hiverter changes the PV array voltage to maximize its output. (Maximum power point tracking)

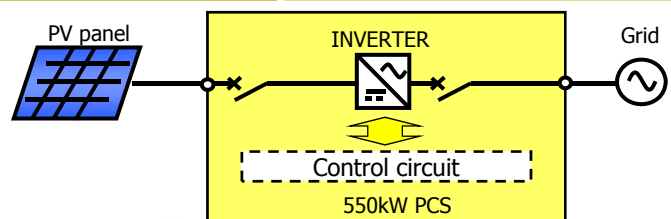
- ✓ In addition, NP201i has grid-stabilization function, which reduces grid voltage fluctuations caused by power generation changes, and keeps operating during momentary voltage drop.

Grid-stabilization capability:

- FRT (Fault Ride Through) effect
- Voltage change reduction effect

■ Specification

Type	HIVERTER-NP201i
Rated capacity	575kVA / 550kW
DC rated voltage	DC 600V
Operating voltage range	DC 450V~900V
Max DC voltage	DC 1000V
Max DC current	DC 1111A
AC rated voltage	AC 300V (+/- 10%)
AC rated current	AC 1107A
Rated frequency	50/60Hz (+/- 2%)
Efficiency	Maximum Efficiency (η) : 98.7%
	European Efficiency (η_E) : 98.4%
	(DC450V, AC300V, PF=1.0)
Installation place	Indoor (IP-20)
Designed lifetime	Maximum: 25 years(*1)
Dimension / Weight	1400W x 1000D x 1900H / 1600kg
Remarks	*1 With preventive maintenance and periodic parts replacement



One line diagram



550kW PCS



Example : Two PCSs installed in each container

Note : Information in this catalog may be subject to change without notice. Please confirm product information when ordering.