

Solar Inverter

DASS, Symbol of reliability for solar inverter

DASS 100i - 100kW

Grid-connected Photovoltaic Inverter
100kW Commercial / Utility Scale



DASS 100i - 100kW / DSP-33100E-OD-HV

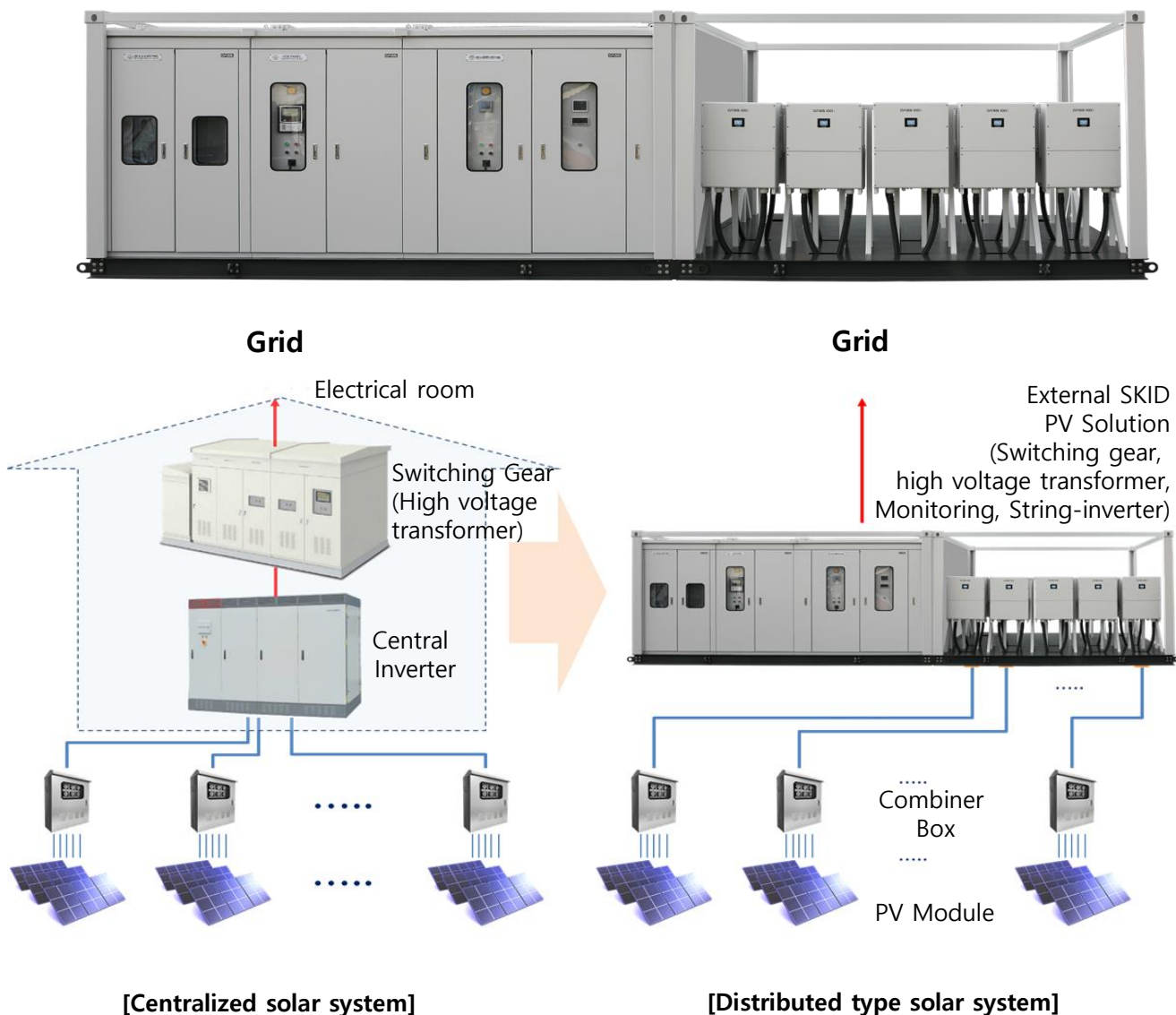
The new solutions for commercial / utility scale roof-tops and projects with Economic & Efficient inverter of DASS Tech



Technical Datasheet

MODEL		DASS 100i
Input (DC)	Max. PV input voltage (Voc)	1000Vdc
	Startup voltage (Voc)	650Vdc
	MPP voltage range (Vmp)	580~980Vdc
	MPP voltage range for nominal power (Vmp)	580~800Vdc
	No. of MPPT	1
	Max. number of PV strings per MPPT	1
	Max. PV input current	183 A
	Max. current for input connection	183 A
Output (AC)	Nominal AC output power	100kW
	Max. AC apparent power	100000 VA
	Max. AC output current	153 A
	Normal AC voltage	380V / 400V / 415V
	AC voltage range	320~480V
	Nominal grid frequency	50Hz / 60Hz (Tolerance adjustable)
	Grid frequency range	47.5 ~ 52.5 / 57.5 ~ 62.5Hz
	Total harmonic distortion(THD)	< 2% at nominal power
	DC current injection	< 0.5% In
System Data	Power factor	> 0.99 (default value at nominal power), adj. 0.8 leading ~ 0.8 lagging
	Max. efficiency	98.70%
	Euro. Efficiency	98.3% (Min)
	Isolation method	Transformerless
	Ingress protection rating	IP65 (for electronics)
	Night power consumption	< 1W
	Operation ambient temperature range	-25°C ~ 60°C (> 50°C derating)
	Allowable relative humidity range	0 ~ 100%
	Cooling method	Smart forced air cooling
	Max. operating altitude	3000m (> 2000m derating)
	Display	Graphic LCD
	communication	RS485 * 2, Wifi optional
	DC connection type	Screw clamp terminal, Max 90mm ²
	AC connection type	Screw clamp terminal, Max 90mm ²
General Data	Protection Method	DC reverse polarity, Ground fault, DC Over Voltage, Over load, Over heat, AC short circuit, AC Over/under voltage, Over/under f requency, Anti-islanding
	Dimensions (W/H/D)mm	650 X 910 X 360
	Mounting method	Wall mounting
	Weight	85kg

Reliable selection for commercial & utility scale



MW Scale SKID type solar plant Solution

- Unnecessary construction for high cost electrical room and practical usage of the land area
- Savings for external line/on-site construction cost and etc. facility construction and transportation cost
- Flexible installation with capacity over MW scale
- Providing optimized solution with all-in-one platform of solar plant facilities



innovation for Solar **i**nverter

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