

## Solar Inverter

DASS, Symbol of reliability for solar inverter

# DASS 110EF, 110kW

**Grid-connected Photovoltaic Inverter**  
110kW Commercial / Utility Scale  
String-type



# DASS 110EF, 110kW / DSP-33110EF-OD

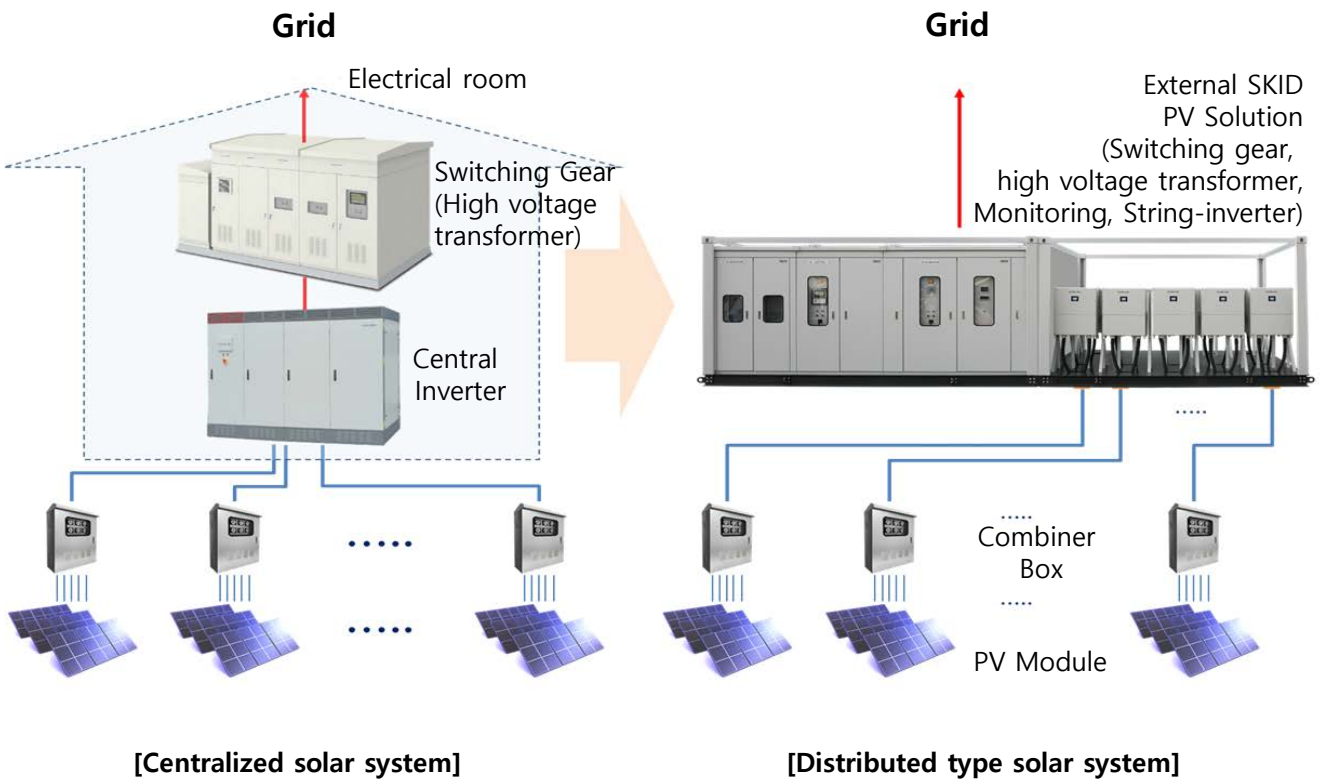
The new solutions for commercial / utility scale roof-tops and projects with Economic & Efficient, EF(Eco-efficient) Model inverter of DASS Tech



## Technical Datasheet

MODEL		DASS 110EF
Input (DC)	Max. PV input voltage (Voc)	1100Vdc
	Startup voltage (Voc)	700Vdc
	MPP voltage range (Vmp)	600~950Vdc
	MPP voltage range for nominal power (Vmp)	600~850Vdc
	No. of MPPTs	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	110000 W
	Max. AC apparent power	110000 VA
	Max. AC output current	153 A
	Normal AC voltage	3 / PE, 415 V
	AC voltage range	320~480V
	Nominal grid frequency	50Hz
	Grid frequency range	45~55Hz
	Total harmonic distortion(THD)	< 2% at nominal power
	DC current injection	< 0.5% In
Power factor	> 0.99 (default value at nominal power), adj. 0.8 leading ~ 0.8 lagging	
System Data	Max. efficiency	98.7%
	Euro. Efficiency	98.3% (Min / TBD)
	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 70 mm <sup>2</sup>
AC connection type	Screw clamp terminal, Max 70 mm <sup>2</sup>	
Protection Method	DC reverse polarity, Ground fault, DC Over Voltage, Over load, Over heat, AC short circuit, AC Over/under voltage, Over/under frequency, Anti-islanding (IEEE1547)	
General Data	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



# DASS Tech

**i**nnovation for Solar

**i**nverter

Let's make the world more beautiful  
and lovely, together

[www.dasstech.com](http://www.dasstech.com)

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