

# Solar Inverter

DASS, Symbol of reliability for solar inverter

## DASS 37EF, 37kW

Grid-connected Photovoltaic Inverter  
37kW Commercial string-type



# DASS 37EF, 37.4kW / DSP-3337EF-OD

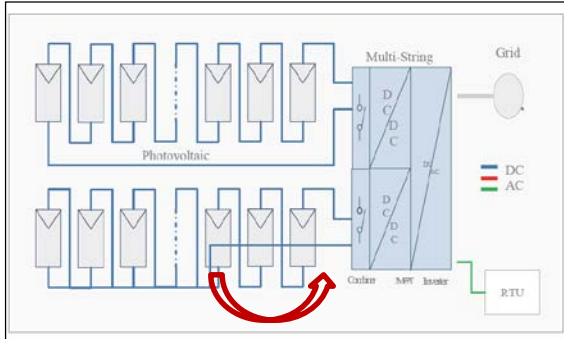
The new solutions for commercial roof-tops with Economic and Efficient, EF(Eco-efficient) Model inverter of DASS Tech



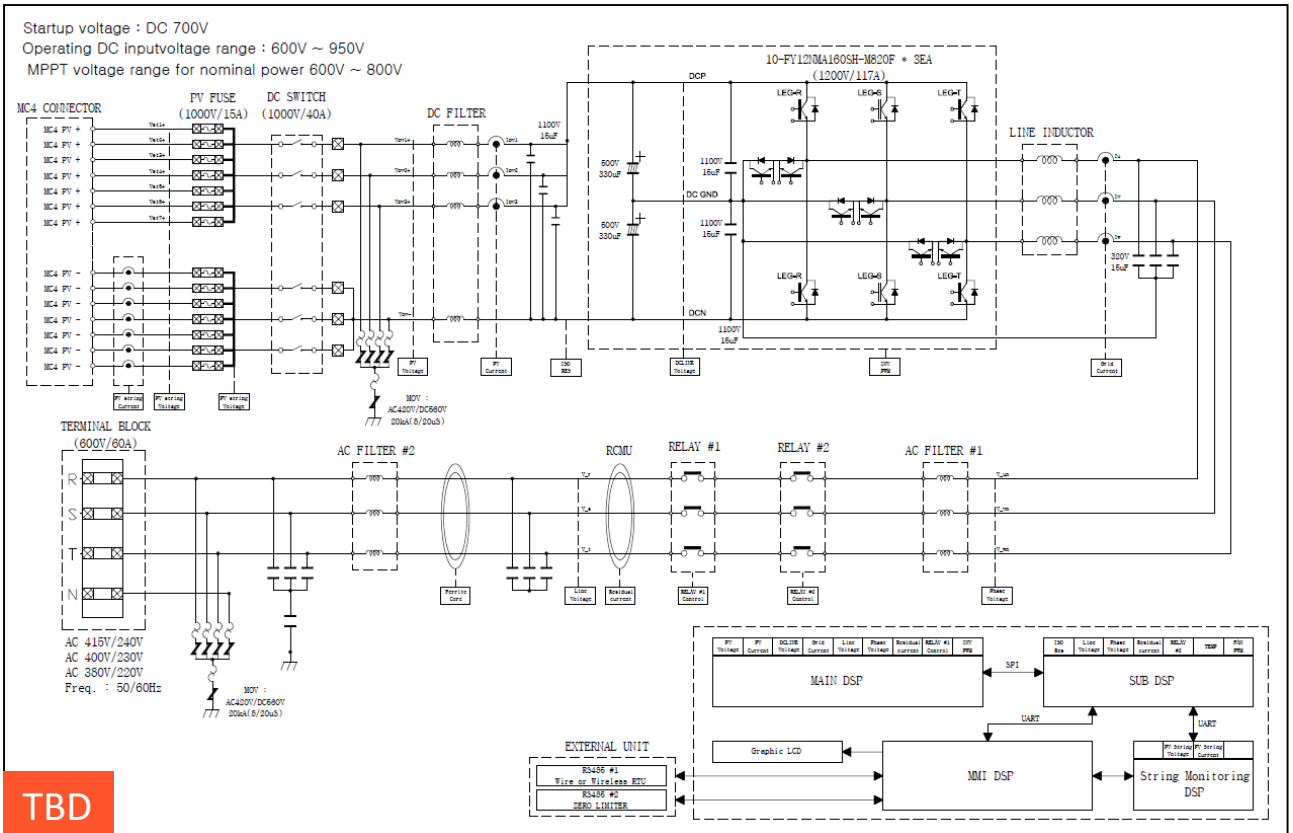
## Technical Datasheet

MODEL		DASS 37EF
Input (DC)	Max. PV input voltage (Voc)	1000Vdc
	Startup voltage (Voc)	700Vdc
	MPP voltage range (Vmp)	600~950Vdc
	MPP voltage range for nominal power (Vmp)	600~800Vdc
	No. of MPPTs	1
	Max. number of PV strings per MPPT	7
	Max. PV input current	63 A
	Max. current for input connection	15 A
Output (AC)	Nominal AC output power	37400 W
	Max. AC apparent power	37400 VA
	Max. AC output current	52 A
	Normal AC voltage	3 / N / PE or 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	98.3%
	Euro. Efficiency	98.0% (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	MC4, max. 6 mm <sup>2</sup> cable
	AC connection type	Screw clamp terminal, Max 16 mm <sup>2</sup> - 5AWG
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	550 X 320 X 770
	Mounting method	Wall mounting
	Weight	55kg

# High efficiency for commercial scale



# Block Diagram



TBD



**i**nnovation for Solar

**i**nverter

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and lovely, together

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