

Solar Inverter

DASS, Symbol of reliability for solar inverter

DASS 3.0 i

Grid-connected Photovoltaic Inverter
3kW Residential string-type



DASS 3.0i, 3kW / DSP-123K5-OD

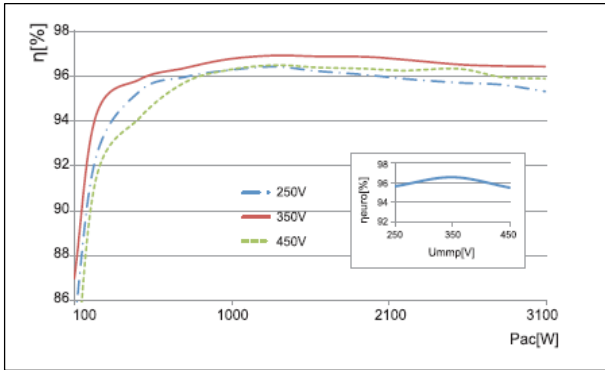
The most popular and longest history residential inverter of DASS Tech



Technical Datasheet

MODEL		DASS 3.0i
Input (DC)	Max. PV input voltage (Voc)	500Vdc
	Startup voltage (Voc)	150Vdc
	MPP voltage range (Vmp)	100~500Vdc
	MPP voltage range for nominal power (Vmp)	180~400Vdc
	No. of MPPTs	1
	Max. number of PV strings per MPPT	1
Output (AC)	Max. PV input current	18.9 A
	Nominal AC output power	3100 W
	Max. AC apparent power	3200 VA
	Max. AC output current	14.3 A
	Normal AC voltage	2PE +PE, 230V
	AC voltage range	170~270V
	Nominal grid frequency	50Hz
	Grid frequency range	45~55Hz
	Total harmonic distortion(THD)	< 3% at nominal power
DC current injection	-	
Power factor	-	
System Data	Max. efficiency	97.2%
	Euro. Efficiency	96.7%
	Isolation method	Transformerless
	Ingress protection rating	IP65 (for electronics)
	Night power consumption	< 15W
	Operation ambient temperature range	-25°C – 60°C (> 50°C derating)
	Allowable relative humidity range	0 ~ 95%
	Cooling method	Natural air cooling
	Max. operating altitude	< 2000m
	Display	Character LCD
	communication	RS485 *
	DC connection type	-
	AC connection type	-
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	305 X 380 X135.5
	Mounting method	Wall mounting
	Weight	9.9kg

High efficiency for residential installation



Block Diagram

